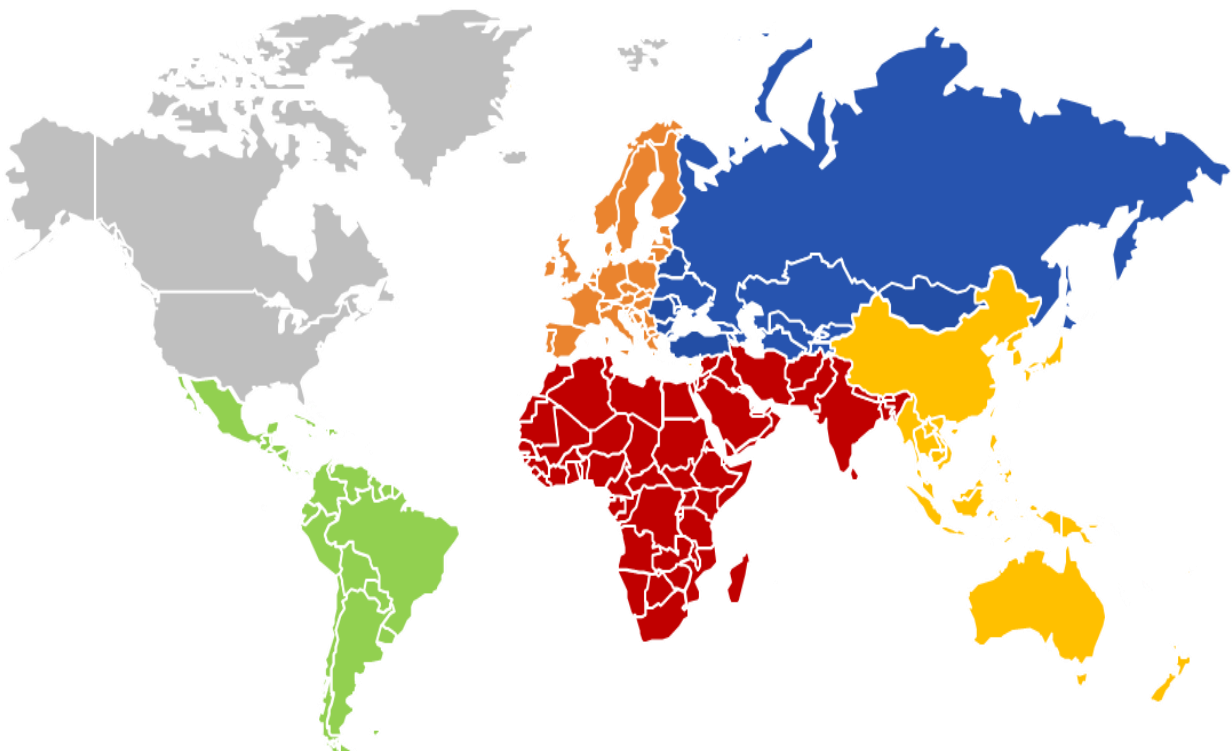


POLYMER PARTS VALIDATION
APPROVED SUB CONTRACTOR LABORATORIES



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2022



Introduction

You will find enclosed the list of subcontractor laboratories recognized by Renault, in the field of polymers, with their scope of competence for test methods, according to **the rule RPIFMESUR20510008 V1.2.**

This list is used to support Renault part suppliers in the validation of parts or products they provide to Renault.

Recognition of the competence of these laboratories is declared after an audit and consolidated by cross-tests. This recognition is granted for three years. After this period, a technical audit is carried out to renew this recognition and possibly, if needed, after carrying out cross-tests. Hence, these laboratories are at a technical level that is in accordance with our requirements, ensuring the reliability of their results.

This list is released every year and updated either when new laboratories are recognized, or when the scope of competency is widened.

This list is accessible via Supplier Portal: <https://suppliers.renault.com>.

The portal 'RENAULT Supplier Portal INTERNET' opens.

Select (at the top left) « **LOG IN PRIVATE AREA** » and input **your login and your password**

Select the tab « **Conception** » at the top of the page

In the box « **Get a standard** » at the bottom of the page, you can find:

- This document (**List of subcontractor laboratories (polymers)**)
- A Sharepoint (**ASK Supplier**) where you can find both RNES test methods (**RNES**) and Renault tests methods (**NCP-GDNormes**)
- The Renault Material Panel (**PMR**)
- The Supplier panel for non-body color paints
- The Supplier panel for chrome plated parts

If you have any questions, please contact Emilie Painlong (emilie.painlong@renault.com)

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Alliance specifications	Former Renault specifications
RNES-B-00096 Odor test method for materials and parts	<i>D493001/--E Emission d'odeurs, Pièces d'équipement intérieur. Mesure de l'intensité et caractérisation de l'odeur dans sa globalité</i>
	<i>D493046/--C Emissions d'odeurs, Pièces d'équipement intérieur. Mesure de l'intensité et caractérisation de l'odeur de pièces d'habitacle en chambre climatique</i>
RNES-B-20116 Screening method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials-Micro-scale chamber method	<i>D403004/--A Analyse du formaldéhyde et autres composés carbonylés dans les matériaux de l'habitacle par chromatographie liquide</i>
	<i>D423109/--C Matériaux de l'habitacle véhicule. Evaluation de la quantité de composés organiques volatils (COV) par thermo-désorption GC/MS/(FID)</i>
	<i>D413144/--A Mastic et colle : évaluation de la quantité de composés organiques volatils par thermo-désorption/GC/MS</i>
RNES-B-00114 (method 2) - Vehicle Interior parts - Test method for the determination of the volatile organic compounds	<i>D493085/--B Analyse des aldéhydes et cétones émis par les pièces d'équipement intérieur en chambre climatique</i>

Certification renewal: 12/2024

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Reference	Title
D15 1343	VISUAL COMPARISON OF COLORS IN LIGHT CHAMBER
D15 5083	OPAQUE COLOURED PRODUCTS COLOUR POINT (SPETROCOLORIMETRY)
D17 1736	PAINTS AND PLASTICS COLOUR VARIATION TEST USING COLORIMETER
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
D45 1139	TRIM MATERIALS DIMENSIONAL VARIATIONS AND CHANGE IN APPEARANCE WHEN SUBJECTED TO HEAT
D45 1837	PAINT COATINGS ON PLASTIC PARTS AND MASS STAINING OF COLORED MATERIALS BY AUTOMOTIVE FLUIDS
D47 1165	ACCELERATED AGEING - PRODUCT APPLIED FOR BONDING, SEALING, ANTI-GRITTING, DAMPING, ANTI-CORROSION AND PROTECTION FUNCTIONS
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D47 1309	MATERIALS AND PARTS OF AUTOMOTIVE EQUIPMENT AGEING ACCORDING TO GIVEN CLIMATIC CYCLE
D47 1924	PLASTICS AND RUBBERS OCCASSIONAL CONTACT WITH AUTOMOBILE FLUIDS
D47 5270	RESISTANCE TO COMPLEX FLUIDS
D51 1485	ADHESIVE PEELING AT A RIGHT ANGLE
D51 3022	INTERIOR TRIM MATERIALS RIGHT-ANGLE PEELING
ISO 1407	DETERMINATION OF SOLVENT EXTRACT
ISO 178	DETERMINATION OF FLEXURAL PROPERTIES
ISO 179-1	DETERMINATION OF CHARPY IMPACT PROPERTIES
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
ISO 188	ACCELERATED AGEING AND HEAT RESISTANCE TESTS
ISO 22768	DETERMINATION OF THE GLASS TRANSITION TEMPERATURE BY DSC
ISO 2781	DETERMINATION OF DENSITY
ISO 37	DETERMINATION OF TENSILE STRESS-STRAIN PROPERTIES
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
ISO 527-2	DETERMINATION OF TENSILE PROPERTIES
ISO 815-1	DETERMINATION OF COMPRESSION SET. AT AMBIENT OR ELEVATED TEMPERATURES
ISO 9924-3	DETERMINATION OF THE CENTESIMALE COMPOSITION BY THERMOGRAVIMETRY, AFTER EXTRACTION
RNES-B-00001	AGING IN GAS, FLUIDS AND GREASE ON PLASTIC MATERIALS
RNES-B-20085 Method 3	LIGHT RESISTANCE TEST METHODS FOR INTERIOR PARTS (FOM TEST) - LOW, MEDIUM AND HIGH TEMPERATURES

Certification renewal : 07/2023

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Reference	Title
D15 3200	ACCELERATED PHOTO-AGEING TEST USING SEPAP MHE CHAMBER
D27 3064	ACCELERATED PHOTO-AGEING TEST USING SEPAP 12/24 CHAMBER

Certification renewal: 06/2023

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Reference	Title
D47 5270	RESISTANCE TO COMPLEX FLUIDS
ISO 1407	DETERMINATION OF SOLVENT EXTRACT
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
ISO 188	ACCELERATED AGEING AND HEAT RESISTANCE TESTS
ISO 22768	DETERMINATION OF THE GLASS TRANSITION TEMPERATURE BY DSC
ISO 2285	DETERMINATION OF TENSION SET UNDER CONSTANT ELONGATION
ISO 2781	DETERMINATION OF DENSITY
ISO 34-2	DETERMINATION OF TEAR STRENGTH. DELFT TEST PIECE
ISO 37	DETERMINATION OF TENSILE STRESS-STRAIN PROPERTIES
ISO 4649	DETERMINATION OF ABRASION RESISTANCE USING A ROTATING CYLINDRICAL DRUM
ISO 48-2	DETERMINATION OF HARDNESS (BETWEEN 10 IRHD AND 100 IRHD)
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
ISO 815-1	DETERMINATION OF COMPRESSION SET. AT AMBIENT OR ELEVATED TEMPERATURES
ISO 9924-3	DETERMINATION OF THE CENTESIMALE COMPOSITION BY THERMOGRAVIMETRY, AFTER EXTRACTION

Certification renewal: 03/2025

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Reference	Title
1428	PRODUITS ANTIGRAV. PLAST. CAOUT. - RESISTANCE AU GRENAILLAGE
D11 1157	ADHESIVES - FLAT ANGLE PEELING
D14 1055	ORGANIC MATERIALS AND COATINGS WEAR DUE TO RUBBING
D14 3108	LEATHER AND COATED FABRIC COATING RESISTANCE TO FRICTION VESLIC TEST
D15 1343	VISUAL COMPARISON OF COLORS IN LIGHT CHAMBER
D15 5083	OPAQUE COLOURED PRODUCTS COLOUR POINT (SPETROCOLORIMETRY)
D21 3092	PAINTS AND RELATED PRODUCTS APPLIED ONTO PLASTIC MATERIAL - TEARING RESISTANCE MEASURED WITH SCLEROMETER
D21 3093	PAINTS AND RELATED PRODUCTS APPLIED TO RIGID PLASTIC MATERIAL PAINT COATING ADHESION "CROSS SCALPEL"
D23 1327	RESISTANCE TO WATER IMMERSION
D24 3159	PAINT TOPCOATS DRY SCRATCH RESISTANCE BY CROCKMETER TEST
D25 1324	RESISTANCE DURING THERMAL CYCLES ELECTROLYTIC COATINGS ON PLASTIC PARTS
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D41 1013	SHEET MATERIALS THICKNESS MEASUREMENT
D41 1015	TRIM MATERIALS - PEELING AT 180°
D41 1029	TEXTILES, COATED TEXTILES AND LEATHER TENSILE STRENGTH
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D41 1097	FLOOR COVERINGS - RESISTANCE TO PUNCHING
D41 1109	TEXTILE DE SIÈGE - SALISSURE PAR ENCRASSEMENT ET NETTOYABILITÉ
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D41 1286	SHEET MATERIALS TEARING RESISTANCE (DOLLY METHOD)
D42 1008	LEATHER - PLASTIC OR RUBBER COATED TEXTILES - PLASTIC SHEETS COLD BRITTLINESS
D42 1235	PLASTIC OR RUBBER PARTS IMPACT BEHAVIOUR (MASS DROP METHOD)

**EXOTEST
(Compiègne)**

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D42 1775	INTERIOR AND EXTERIOR PLASTIC PARTS RESISTANCE TO SCORING BY ABRASION
D44 1221	VELVET SURFACE MATERIALS RESISTANCE TO SCRAPING
D44 1694	TEXTILES CLAW TEST
D44 1900	PLASTICS - RESISTANCE TO MARKING (RESISTANCE TO SCORING THROUGH POLISHING)
D45 1012	SHEET MATERIALS WEIGHT PER UNIT AREA
D45 1030	COATED TEXTILES TEXTILES - PLASTIC FOILS - STRAPS TRIM LEATHER BUCKLE FLEXIBILITY
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D45 1195	FELTS AND PADDINGS THICKNESS AND COMPRESSIBILITY
D45 1197	FELTS - PADDINGS SEPARATION
D45 1301	TRIMMING MATERIALS FLEXIBILITY
D45 1564	TEXTILES: DIMENSIONAL VARIATIONS WHEN SUBJECTED TO HUMIDITY
D45 1802	EXTERNAL HUB CAPS MADE OF PLASTIC FITTED TO THE BODY INSTALLATION FORCE AND ASSEMBLING RESISTANCE
D45 1817	ORGANIC MATERIALS AND COATINGS SOILING RESISTANCE
D45 1837	PAINT COATINGS ON PLASTIC PARTS AND MASS STAINING OF COLORED MATERIALS BY AUTOMOTIVE FLUIDS
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D45 3153	FABRIC, LEATHER AND SEAT VINYL SOILING AND CLEANABILITY BEHAVIOUR
D47 1005	TRIM MATERIALS STAINING WITH WATER OR OTHER
D47 1020	COLORFASTNESS TO WATER, SEA WATER AND PERSPIRATION
D47 1035	RUBBERS AND PLASTICS STAINING
D47 1165	ACCELERATED AGEING - PRODUCT APPLIED FOR BONDING, SEALING, ANTI-GRITTING, DAMPING, ANTI-CORROSION AND PROTECTION FUNCTIONS
D47 1199	CARDBOARD - WOOD - PLASTIC: MOTTILING VIA A TRIM PARTS CONSTITUENT MATERIALS
D47 1217	FIBROUS MATERIALS BEHAVIOR IN DAMP ATMOSPHERE RESISTANCE TO MICRO-ORGANISMS
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D47 1309	MATERIALS AND PARTS OF AUTOMOTIVE EQUIPMENT AGEING ACCORDING TO GIVEN CLIMATIC CYCLE
D51 1485	ADHESIVE PEELING AT A RIGHT ANGLE
D51 3022	INTERIOR TRIM MATERIALS RIGHT-ANGLE PEELING
ISO 2409	PAINT AND VARNISHES - CROSS-CUT TEST
RNES-B-00001	AGING IN GAS, FLUIDS AND GREASE ON PLASTIC MATERIALS
RNES-B-00019	DECORATIVE PLATED PARTS - CALCIUM CHLORIDE MUD TEST (RUSSIAN MUD TEST)

**EXOTEST
(Compiègne)**

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RNES-B-00070	FOGGING OF INTERIOR TRIM MATERIALS AND PASSENGER COMPARTMENT PARTS FOR AUTOMOBILES
RNES-B-00071	FLAMMABILITY FOR AUTOMOTIVE MATERIALS
RNES-B-00075	ABRASION RESISTANCE FOR CARPET
RNES-B-00076	FLUFFING RESISTANCE FOR CARPET
RNES-B-00090 Method 2	ASPECT MODIFICATION DUE TO FRICTION (CROCKMETER) FOR INTERIOR AND EXTERIOR PARTS
RNES-B-00090 Method 4	RESISTANCE OF EXTERNAL STYRENIC MATERIALS TO BLEACHING IN WARM SOAPY WATER
RNES-B-20056	WHITENING SCRATCH RESISTANCE OF INTERIOR PLASTIC
RNES-B-20083	WEIGHT PER UNIT AREA MEASURING METHOD FOR AUTOMOTIVE CARPET
RNES-G-00002	COPPER-ACCELERATED ACETIC ACID SALT SPRAY (CASS-TEST)

Certification renewal: 12/2022

RNES-B-00088 Method 1	RUBBER AND PLASTIC PAINT COATINGS : ARTIFICIAL AGEING USING WEATHEROMETER
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Certification renewal: 03/2023

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Reference	Title
D47 1924	PLASTICS AND RUBBERS OCCASSIONAL CONTACT WITH AUTOMOBILE FLUIDS
D47 5270	RESISTANCE TO COMPLEX FLUIDS
ISO 1407	DETERMINATION OF SOLVENT EXTRACT
ISO 1431-1	AGEING IN OZONIZED AIR
ISO 1432	DETERMINATION OF LOW-TEMPERATURE STIFFENING (GEHMAN TEST)
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
ISO 188	ACCELERATED AGEING AND HEAT RESISTANCE TESTS
ISO 22768	DETERMINATION OF THE GLASS TRANSITION TEMPERATURE BY DSC
ISO 2285	DETERMINATION OF TENSION SET UNDER CONSTANT ELONGATION
ISO 2781	DETERMINATION OF DENSITY
ISO 2921	DETERMINATION OF LOW-TEMPERATURE CHARACTERISTICS (TR TEST)
ISO 34-2	DETERMINATION OF TEAR STRENGTH. DELFT TEST PIECE
ISO 37	DETERMINATION OF TENSILE STRESS-STRAIN PROPERTIES
ISO 4649	DETERMINATION OF ABRASION RESISTANCE USING A ROTATING CYLINDRICAL DRUM
ISO 48-2	DETERMINATION OF HARDNESS (BETWEEN 10 IRHD AND 100 IRHD)
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
ISO 812	DETERMINATION OF LOW-TEMPERATURE BRITTLINESS
ISO 815-1	DETERMINATION OF COMPRESSION SET. AT AMBIENT OR ELEVATED TEMPERATURES
ISO 815-2	DETERMINATION OF COMPRESSION SET. AT LOW TEMPERATURES
ISO 9924-3	DETERMINATION OF THE CENTESIMALE COMPOSITION BY THERMOGRAVIMETRY, AFTER EXTRACTION
NFT 60 628	EVALUATION OF THE ACTION OF GREASES ON ELASTOMERS

Certification renewal: 12/2024

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Reference	Title
1428	PRODUITS ANTIGRAV. PLAST. CAOUT. - RESISTANCE AU GRENAILLAGE
31-00-805	PLASTIC PARTS INSERT TORQUE RESISTANCE
31-00-806	PLASTIC PARTS INSERT PULL OUT STRENGTH
D11 1054	SUPPLENESS OF A PART BY IMPRESSION OF A HEMISPHERICAL PUNCH BEADS, PROTECTIVE STRIPS, ARMRESTS, VARIOUS TRIMMING
D11 1157	ADHESIVES - FLAT ANGLE PEELING
D11 1502	RESISTANCE TO CREEP DUE TO INDENTATION ARM RESTS - DASHBOARDS - MISCELLANEOUS TRIM MATERIALS
D11 1503	SUPPLENESS OF A PART BY INDENTATION OF A SEMI-CYLINDRICAL PUNCH PADS, PROTECTIVE BANDS, ARMRESTS, MISCELLANEOUS TRIMS
D14 1055	ORGANIC MATERIALS AND COATINGS WEAR DUE TO RUBBING
D14 3108	LEATHER AND COATED FABRIC COATING RESISTANCE TO FRICTION VESLIC TEST
D15 1343	VISUAL COMPARISON OF COLORS IN LIGHT CHAMBER
D15 5083	OPAQUE COLOURED PRODUCTS COLOUR POINT(SPECTROCOLORIMETRY)
D17 1736	PAINTS AND PLASTICS COLOUR VARIATION TEST USING COLORIMETER
D21 3092	PAINTS AND RELATED PRODUCTS APPLIED ONTO PLASTIC MATERIAL - TEARING RESISTANCE MEASURED WITH SCLEROMETER
D21 3093	PAINTS AND RELATED PRODUCTS APPLIED TO RIGID PLASTIC MATERIAL PAINT COATING ADHESION "CROSS SCALPEL"
D23 1327	RESISTANCE TO WATER IMMERSION
D25 1324	RESISTANCE DURING THERMAL CYCLES ELECTROLYTIC COATINGS ON PLASTIC PARTS
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
D27 1465	PAINT COATINGS ACTION OF SOLID OR PASTE ORGANIC MATERIALS
D27 1740	COATINGS OF PAINT ACTION OF ORGANIC LIQUIDS
D41 1003	FLEXIBLE ALVEOLATE MATERIALS FOR TRIMMING COMPRESSIVE STRENGTH
D41 1013	SHEET MATERIALS THICKNESS MEASUREMENT
D41 1015	TRIM MATERIALS - PEELING AT 180°
D41 1029	TEXTILES, COATED TEXTILES AND LEATHER TENSILE STRENGTH
D41 1033	TRIM MATERIALS SHEARING STRENGTH OF HF WELDS
D41 1048	FLEXIBLE AND SEMI-RIGID CELLULAR MATERIALS TEAR STRENGTH (SAMPLE : TROUSERS TYPE)

**SGS France Transportation
(Cestas - Etupes)**

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D41 1097	FLOOR COVERINGS - RESISTANCE TO PUNCHING
D41 1126	TEXTILES - PLATIC-COATED TEXTILES PLASTIC FOILS - CARPETS - LEATHERS TEARING
D41 1127	TEXTILES - RESISTANCE TO SLIPPING AT SEAM
D41 1286	SHEET MATERIALS TEARING RESISTANCE (DOLLY METHOD)
D41 1540	RUBBER OR PLASTIC BASED CELLULAR MATERIALS PERMANENT SET AT CONSTANT DEFORMATION
D41 1588	TRIM MATERIALS - TENSILE STRENGTH OF SEW LINES
D41 1634	LEATHERS -TEXTILES -VELVET CARPETS - PRINTED MATERIALS COATING ADHESION
D41 1637	FLEXIBLE CELLULAR MATERIALS COMPRESSION SET IN HUMID ATMOSPHERE
D41 1643	COMPOSITE MATERIAL BENDING
D41 1916	COMOULED SEALS - RESISTANCE OF ASSEMBLIES
D42 1007	PLASTIC COATED TEXTILES - LEATHERS CREASING
D42 1008	LEATHER - PLASTIC OR RUBBER COATED TEXTILES - PLASTIC SHEETS COLD BRITTLNESS
D42 1047	FLEXIBLE CELLULAR MATERIALS - DYNAMIC FATIGUE BY COMPRESSION AT FIXED DEFORMATION
D42 1235	PLASTIC OR RUBBER PARTS IMPACT BEHAVIOUR (MASS DROP METHOD)
D42 1541	FLEXIBLE AND SEMI- FLEXIBLE CELLULAR MATERIALS COMPRESSION RESISTANCE
D42 1775	INTERIOR AND EXTERIOR PLASTIC PARTS RESISTANCE TO SCORING BY ABRASION
D42 2036	EXTERNAL PAINTED PARTS RESISTANCE TO SCORING DUE TO ABRASION
D44 1221	VELVET SURFACE MATERIALS RESISTANCE TO SCRAPING
D44 1694	TEXTILES CLAW TEST
D44 1900	PLASTICS - RESISTANCE TO MARKING (RESISTANCE TO SCORING THROUGH POLISHING)
D44 1959	TUBES AND PIPES - RESISTANCE TO RUBBING OF MECHANICAL PROTECTIVE SHEATHING
D44 1997	TEXTILES - TENDENCY TO FRAY ON SENSIBLE AREA
D44 3123	POLYMER MATERIALS FROM PASSAGER COMPARTMENT SELF-COLOURED OR COATED MICRO-SCRATCHS RESISTANCE
D45 1012	SHEET MATERIALS WEIGHT PER UNIT AREA
D45 1014	TEXTILES - THREAD COUNT
D45 1030	COATED TEXTILES TEXTILES - PLASTIC FOILS - STRAPS TRIM LEATHER BUCKLE FLEXIBILITY
D45 1045	CELLULAR MATERIALS APPARENT DENSITY
D45 1046	SOFT HONEYCOMBED TRIMMING MATERIALS RESIDUAL DEFORMATION AFTER COMPRESSION WITH CONSTANT THICKNESS
D45 1124	TEXTILES AND COATED TEXTILES ELONGATION UNDER LOW LOAD INSTANTANEOUS RESIDUAL DEFORMATION AFTER REMOVING THE LOAD
D45 1139	TRIM MATERIALS DIMENSIONAL VARIATIONS AND CHANGE IN APPEARANCE WHEN SUBJECTED TO HEAT

**SGS France Transportation
(Cestas - Etupes)**

Reference	Title
D45 1195	FELTS AND PADDINGS THICKNESS AND COMPRESSIBILITY
D45 1394	FLEXIBLE AND SEMI-RIGID ALVEOLATE MATERIALS DETERMINING THE THICKNESS
D45 1429	CELLULAR MATERIALS WATER ABSORPTION
D45 1520	ALVEOLATE MATERIALS WATER ABSORPTION UNDER VACUUM
D45 1564	TEXTILES: DIMENSIONAL VARIATIONS WHEN SUBJECTED TO HUMIDITY
D45 1573	RESISTANCE TO TEARING FLEXIBLE CELLULAR MATERIALS
D45 1596	FABRICS, RAISED KNITTED FABRICS, AND PILELESS VELVETS - VELVET CRUSHING
D45 1730	ASHTRAYS BEHAVIOR TO FIRE INCANDESCENT WIRE TEST
D45 1817	ORGANIC MATERIALS AND COATINGS SOILING RESISTANCE
D45 1837	PAINT COATINGS ON PLASTIC PARTS AND MASS STAINING OF COLORED MATERIALS BY AUTOMOTIVE FLUIDS
D45 1901	TRIM MATERIALS MEASUREMENT OF RESIDUAL BAGGINESS
D45 1902	INSTRUMENT PANELS AND DISPLAY UNITS WINDSCREEN WITHSTAND TO WINDOW WASHER FLUID
D45 1992	TRIM MATERIALS - TILING EFFECT
D45 3130	COATED OR UNCOATED PLASTICS FOR DASHBOARDS AND DOOR PANELS -CLEANABILITY
D45 5331	COMPOSITE TRIM MATERIALS TENDENCY OF GETTING FOLDED
D47 1005	TRIM MATERIALS STAINING WITH WATER OR OTHER
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D47 1924	PLASTICS AND RUBBERS OCCASSIONAL CONTACT WITH AUTOMOBILE FLUIDS
D47 1934	ROOF LININGS SOILING TENDENCY
D47 1979	RUBBERS - RESISTANCE TO DAMP HEAT
D51 1485	ADHESIVE PEELING AT A RIGHT ANGLE
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D51 3022	INTERIOR TRIM MATERIALS RIGHT-ANGLE PEELING

**SGS France Transportation
(Cestas - Etupes)**

Reference	Title
ISO 1133-1	DETERMINATION OF THE MELT MASS-FLOW RATE (MFR) AND MELT VOLUME-FLOW RATE (MVR) OF THERMOPLASTICS
ISO 11357-3	DETERMINATION OF TEMPERATURE AND ENTHALPY OF MELTING AND CRYSTALLIZATION (DSC)
ISO 11359-2	THERMOMECHANICAL ANALYSIS (TMA) - PART 2: DETERMINATION OF COEFFICIENT OF LINEAR THERMAL EXPANSION AND GLASS TRANSITION TEMPERATURE
ISO 1183	METHODS FOR DETERMINING THE DENSITY OF NONCELLULAR PLASTICS
ISO 1431-1	AGEING IN OZONIZED AIR
ISO 1522	PAINTS AND VARNISHES - PENDULUM DAMPING TEST
ISO 178	DETERMINATION OF FLEXURAL PROPERTIES
ISO 179-1	DETERMINATION OF CHARPY IMPACT PROPERTIES
ISO 180	DETERMINATION OF IZOD IMPACT STRENGTH
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
ISO 188	ACCELERATED AGEING AND HEAT RESISTANCE TESTS
ISO 22768	DETERMINATION OF THE GLASS TRANSITION TEMPERATURE BY DSC
ISO 2285	DETERMINATION OF TENSION SET UNDER CONSTANT ELONGATION
ISO 2409	PAINT AND VARNISHES - CROSS-CUT TEST
ISO 2781	DETERMINATION OF DENSITY
ISO 2808	PAINTS AND VARNISHES - DETERMINATION OF FILM THICKNESS
ISO 34-2	DETERMINATION OF TEAR STRENGTH. DELFT TEST PIECE
ISO 3451	DETERMINATION OF ASH
ISO 37	DETERMINATION OF TENSILE STRESS-STRAIN PROPERTIES
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ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
ISO 527-2	DETERMINATION OF TENSILE PROPERTIES
ISO 62	DETERMINATION OF WATER ABSORPTION
ISO 6721-5	PLASTICS - DETERMINATION OF DYNAMIC MECHANICAL PROPERTIES - PART 5: FLEXURAL VIBRATION - NON-RESONANCE METHOD
ISO 6914	DETERMINATION OF AGEING CHARACTERISTICS BY MEASUREMENT OF STRESS RELAXATION IN TENSION
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ISO 815-1	DETERMINATION OF COMPRESSION SET. AT AMBIENT OR ELEVATED TEMPERATURES
ISO 815-2	DETERMINATION OF COMPRESSION SET. AT LOW TEMPERATURES
ISO 868	DETERMINATION OF INDENTATION HARDNESS BY MEANS OF A DUROMETER (SHORE HARDNESS)

**SGS France Transportation
(Cestas - Etupes)**

Reference	Title
RNES-B-00001	AGING IN GAS, FLUIDS AND GREASE ON PLASTIC MATERIALS
RNES-B-00019	DECORATIVE PLATED PARTS - CALCIUM CHLORIDE MUD TEST (RUSSIAN MUD TEST)
RNES-B-00058	TENSILE SHEAR STRENGTH FOR ADHESIVES AND SEALANTS
RNES-B-00069	METALLIC COATINGS - COULOMETRIC MEASUREMENT OF ELECTROPLATING THICKNESS - DECORATIVE PARTS APPLICATION
RNES-B-00070	FOGGING OF INTERIOR TRIM MATERIALS AND PASSENGER COMPARTMENT PARTS FOR AUTOMOBILES
RNES-B-00071	FLAMMABILITY FOR AUTOMOTIVE MATERIALS
RNES-B-00075	ABRASION RESISTANCE FOR CARPET
RNES-B-00076	FLUFFING RESISTANCE FOR CARPET
RNES-B-00090 Method 2	ASPECT MODIFICATION DUE TO FRICTION (CROCKMETER) FOR INTERIOR AND EXTERIOR PARTS
RNES-B-00090 Method 4	RESISTANCE OF EXTERNAL STYRENIC MATERIALS TO BLEACHING IN WARM SOAPY WATER
RNES-B-00179	MANUAL PEELING FOR WINDOW GLASS ADHESIVES
RNES-B-20056	WHITENING SCRATCH RESISTANCE OF INTERIOR PLASTIC
RNES-B-20083	WEIGHT PER UNIT AREA MEASURING METHOD FOR AUTOMOTIVE CARPET
RNES-B-20085 Method 3	LIGHT RESISTANCE TEST METHODS FOR INTERIOR PARTS (FOM TEST) - LOW, MEDIUM AND HIGH TEMPERATURES
RNES-G-00001	NEUTRAL SALT SPRAY TEST
RNES-G-00002	COPPER-ACCELERATED ACETIC ACID SALT SPRAY (CASS-TEST)

Certification renewal : 10/2022

Reference	Title
RNES-B-00088 Method 1	RUBBER AND PLASTIC PAINT COATINGS : ARTIFICIAL AGEING USING WEATHEROMETER

Certification renewal: 03/2023

**SGS France Transportation
(Cestas - Etupes)**

Alliance specifications	Former Renault specifications
RNES-B-00096 Odor test method for materials and parts	<i>D493001/--E Emission d'odeurs, Pièces d'équipement intérieur. Mesure de l'intensité et caractérisation de l'odeur dans sa globalité</i>
	<i>D493046/--C Emissions d'odeurs, Pièces d'équipement intérieur. Mesure de l'intensité et caractérisation de l'odeur de pièces d'habitacle en chambre climatique</i>
RNES-B-20116 Screening method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials-Micro-scale chamber method	<i>D403004/--A Analyse du formaldéhyde et autres composés carbonylés dans les matériaux de l'habitacle par chromatographie liquide</i>
	<i>D423109/--C Matériaux de l'habitacle véhicule. Evaluation de la quantité de composés organiques volatils (COV) par thermo-désorption GC/MS/(FID)</i>
	<i>D413144/--A Mastic et colle : évaluation de la quantité de composés organiques volatils par thermo-désorption/GC/MS</i>
RNES-B-00114 (method 2) - Vehicle Interior parts - Test method for the determination of the volatile organic compounds	<i>D493085/--B Analyse des aldéhydes et cétones émis par les pièces d'équipement intérieur en chambre climatique</i>

Certification renewal : 12/2024

**EUROPE + EURASIA
(Except FRANCE)**



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Alliance specifications	Former Renault specifications
RNES-B-00096 Odor test method for materials and parts	<i>D493001 /--E Emission d'odeurs, Pièces d'équipement intérieur. Mesure de l'intensité et caractérisation de l'odeur dans sa globalité</i>
	<i>D493046 /--C Emissions d'odeurs, Pièces d'équipement intérieur. Mesure de l'intensité et caractérisation de l'odeur de pièces d'habitacle en chambre climatique</i>
RNES-B-20116 Screening method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials-Micro-scale chamber method	<i>D403004/--A Analyse du formaldéhyde et autres composés carbonylés dans les matériaux de l'habitacle par chromatographie liquide</i>
	<i>D423109 /--C Matériaux de l'habitacle véhicule. Evaluation de la quantité de composés organiques volatils (COV) par thermo-désorption GC/MS/(FID)</i>
	<i>D413144 /--A Mastic et colle : évaluation de la quantité de composés organiques volatils par thermo-désorption/GC/MS</i>
RNES-B-00114 (method 2) - Vehicle Interior parts - Test method for the determination of the volatile organic compounds	<i>D493085 /--B Analyse des aldéhydes et cétones émis par les pièces d'équipement intérieur en chambre climatique</i>

Certification renewal : 12/2024

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Reference	Title
D47 1924	PLASTICS AND RUBBERS OCCASSIONAL CONTACT WITH AUTOMOBILE FLUIDS
D47 5270	RESISTANCE TO COMPLEX FLUIDS
ISO 1407	DETERMINATION OF SOLVENT EXTRACT
ISO 1431-1	AGEING IN OZONIZED AIR
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
ISO 188	ACCELERATED AGEING AND HEAT RESISTANCE TESTS
ISO 22768	DETERMINATION OF THE GLASS TRANSITION TEMPERATURE BY DSC
ISO 2285	DETERMINATION OF TENSION SET UNDER CONSTANT ELONGATION
ISO 2781	DETERMINATION OF DENSITY
ISO 34-1	DETERMINATION OF TEAR STRENGTH. TROUSER, ANGLE AND CRESCENT TEST PIECE
ISO 34-2	DETERMINATION OF TEAR STRENGTH. DELFT TEST PIECE
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ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
ISO 815-1	DETERMINATION OF COMPRESSION SET. AT AMBIENT OR ELEVATED TEMPERATURES
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ISO 9924-3	DETERMINATION OF THE CENTESIMALE COMPOSITION BY THERMOGRAVIMETRY, AFTER EXTRACTION

Certification renewal : 02/2025

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Reference	Title
D47 1924	PLASTICS AND RUBBERS OCCASSIONAL CONTACT WITH AUTOMOBILE FLUIDS
D47 5270	RESISTANCE TO COMPLEX FLUIDS
ISO 1407	DETERMINATION OF SOLVENT EXTRACT
ISO 1431-1	AGEING IN OZONIZED AIR
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
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ISO 815-1	DETERMINATION OF COMPRESSION SET. AT AMBIENT OR ELEVATED TEMPERATURES
ISO 815-2	DETERMINATION OF COMPRESSION SET. AT LOW TEMPERATURES
ISO 9924-3	DETERMINATION OF THE CENTESIMALE COMPOSITION BY THERMOGRAVIMETRY, AFTER EXTRACTION

Certification renewal : 01/2023

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Reference	Title
ISO 1133-1	DETERMINATION OF THE MELT MASS-FLOW RATE (MFR) AND MELT VOLUME-FLOW RATE (MVR) OF THERMOPLASTICS
ISO 11359-2	THERMOMECHANICAL ANALYSIS (TMA) - PART 2: DETERMINATION OF COEFFICIENT OF LINEAR THERMAL EXPANSION AND GLASS TRANSITION TEMPERATURE
ISO 1183	METHODS FOR DETERMINING THE DENSITY OF NONCELLULAR PLASTICS
ISO 178	DETERMINATION OF FLEXURAL PROPERTIES
ISO 179-1	DETERMINATION OF CHARPY IMPACT PROPERTIES
ISO 180	DETERMINATION OF IZOD IMPACT STRENGTH
ISO 527-2	DETERMINATION OF TENSILE PROPERTIES
ISO 75-2	DETERMINATION OF TEMPERATURE OF DEFLECTION UNDER LOAD
RNES-B-00070	FOGGING OF INTERIOR TRIM MATERIALS AND PASSENGER COMPARTMENT PARTS FOR AUTOMOBILES
RNES-B-00071	FLAMMABILITY FOR AUTOMOTIVE MATERIALS
RNES-B-00088 Method 1	RUBBER AND PLASTIC PAINT COATINGS : ARTIFICIAL AGEING USING WEATHEROMETER

Certification renewal in progress

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Reference	Title
D14 1055	ORGANIC MATERIALS AND COATINGS WEAR DUE TO RUBBING
D15 1343	VISUAL COMPARISON OF COLORS IN LIGHT CHAMBER
D21 3092	PAINTS AND RELATED PRODUCTS APPLIED ONTO PLASTIC MATERIAL - TEARING RESISTANCE MEASURED WITH SCLEROMETER
D21 3093	PAINTS AND RELATED PRODUCTS APPLIED TO RIGID PLASTIC MATERIAL PAINT COATING ADHESION "CROSS SCALPEL"
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
D25 1968	PAINTS AND RELATED PRODUCTS PAINT APPEARANCE MEASUREMENT
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D45 1817	ORGANIC MATERIALS AND COATINGS SOILING RESISTANCE
D45 1837	PAINT COATINGS ON PLASTIC PARTS AND MASS STAINING OF COLORED MATERIALS BY AUTOMOTIVE FLUIDS
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D51 1755	PAINTS AND RELATED PRODUCTS APPLIED TO RIGID MATERIAL COATING ADHESION BY BONDED STUD PULL-OFF TEST
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ISO 2808	PAINTS AND VARNISHES - DETERMINATION OF FILM THICKNESS
RNES-B-00046	RESISTANCE TO WATER IMMERSION
RNES-B-00090 Method 2	ASPECT MODIFICATION DUE TO FRICTION (CROCKMETER) FOR INTERIOR AND EXTERIOR PARTS
RNES-B-00103	PAINTS RESISTANCE TO ACID FALLOUT

Certification renewal : 09/2024

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Reference	Title
D47 5270	RESISTANCE TO COMPLEX FLUIDS
ISO 1407	DETERMINATION OF SOLVENT EXTRACT
ISO 1431-1	AGEING IN OZONIZED AIR
ISO 1432	DETERMINATION OF LOW-TEMPERATURE STIFFENING (GEHMAN TEST)
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
ISO 188	ACCELERATED AGEING AND HEAT RESISTANCE TESTS
ISO 22768	DETERMINATION OF THE GLASS TRANSITION TEMPERATURE BY DSC
ISO 2285	DETERMINATION OF TENSION SET UNDER CONSTANT ELONGATION
ISO 2781	DETERMINATION OF DENSITY
ISO 2921	DETERMINATION OF LOW-TEMPERATURE CHARACTERISTICS (TR TEST)
ISO 34-1	DETERMINATION OF TEAR STRENGTH. TROUSER, ANGLE AND CRESCENT TEST PIECE
ISO 34-2	DETERMINATION OF TEAR STRENGTH. DELFT TEST PIECE
ISO 37	DETERMINATION OF TENSILE STRESS-STRAIN PROPERTIES
ISO 4649	DETERMINATION OF ABRASION RESISTANCE USING A ROTATING CYLINDRICAL DRUM
ISO 48-2	DETERMINATION OF HARDNESS (BETWEEN 10 IRHD AND 100 IRHD)
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ISO 812	DETERMINATION OF LOW-TEMPERATURE BRITTLINESS
ISO 815-1	DETERMINATION OF COMPRESSION SET. AT AMBIENT OR ELEVATED TEMPERATURES
ISO 815-2	DETERMINATION OF COMPRESSION SET. AT LOW TEMPERATURES
ISO 9924-3	DETERMINATION OF THE CENTESIMALE COMPOSITION BY THERMOGRAVIMETRY, AFTER EXTRACTION

Certification renewal : 11/2022

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Reference	Title
D15 1343	VISUAL COMPARISON OF COLORS IN LIGHT CHAMBER
D15 3200	ACCELERATED PHOTO-AGEING TEST USING SEPAP MHE CHAMBER
D15 5083	OPAQUE COLOURED PRODUCTS COLOUR POINT (SPETROCOLORIMETRY)
D19 3056	TACTILE CHARACTERIZATION; INTERIOR AND EXTERIOR PARTS; QUALITATIVE AND QUANTITATIVE MEASUREMENT OF MATERIAL AND PARTS, TACTILE SENSORY PROFILE
D21 3092	PAINTS AND RELATED PRODUCTS APPLIED ONTO PLASTIC MATERIAL - TEARING RESISTANCE MEASURED WITH SCLEROMETER
D21 3093	PAINTS AND RELATED PRODUCTS APPLIED TO RIGID PLASTIC MATERIAL PAINT COATING ADHESION "CROSS SCALPEL"
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
D25 2018	DECORATIVE COATINGS RESISTANCE TO WASHING WITH HIGH PRESSURE CLEANER
D42 1235	PLASTIC OR RUBBER PARTS IMPACT BEHAVIOUR (MASS DROP METHOD)
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D45 1837	PAINT COATINGS ON PLASTIC PARTS AND MASS STAINING OF COLORED MATERIALS BY AUTOMOTIVE FLUIDS
D45 3130	COATED OR UNCOATED PLASTICS FOR DASHBOARDS AND DOOR PANELS -CLEANABILITY
D47 1005	TRIM MATERIALS STAINING WITH WATER OR OTHER
D47 1035	RUBBERS AND PLASTICS STAINING
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D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D47 1309	MATERIALS AND PARTS OF AUTOMOTIVE EQUIPMENT AGEING ACCORDING TO GIVEN CLIMATIC CYCLE
D49 3018	VISUAL CHARACTERIZATION OF INTERIOR PARTS
ISO 1133-1	DETERMINATION OF THE MELT MASS-FLOW RATE (MFR) AND MELT VOLUME-FLOW RATE (MVR) OF THERMOPLASTICS
ISO 11357-3	DETERMINATION OF TEMPERATURE AND ENTHALPY OF MELTING AND CRYSTALLIZATION (DSC)

**Centre de Durabilité Polymères et Fluides (DCPF)
(Titu, Romania)**

Reference	Title
ISO 11358-1	PLASTICS - THERMOGRAVIMETRY (TG) OF POLYMERS
ISO 1183	METHODS FOR DETERMINING THE DENSITY OF NONCELLULAR PLASTICS
ISO 1407	DETERMINATION OF SOLVENT EXTRACT
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
ISO 188	ACCELERATED AGEING AND HEAT RESISTANCE TESTS
ISO 22768	DETERMINATION OF THE GLASS TRANSITION TEMPERATURE BY DSC
ISO 2781	DETERMINATION OF DENSITY
ISO 2808	PAINTS AND VARNISHES - DETERMINATION OF FILM THICKNESS
ISO 34	DETERMINATION OF TEAR STRENGTH
ISO 37	DETERMINATION OF TENSILE STRESS-STRAIN PROPERTIES
ISO 48-2	DETERMINATION OF HARDNESS (BETWEEN 10 IRHD AND 100 IRHD)
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
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ISO 815	DETERMINATION OF COMPRESSION SET
ISO 9924-3	DETERMINATION OF THE CENTESIMALE COMPOSITION BY THERMOGRAVIMETRY, AFTER EXTRACTION
RNES-B-00070	FOGGING OF INTERIOR TRIM MATERIALS AND PASSENGER COMPARTMENT PARTS FOR AUTOMOBILES
RNES-B-00088	WEATHERABILITY TEST METHODS FOR EXTERIOR PARTS AND MATERIALS
RNES-B-00090	CHEMICAL RESISTANCE FOR PLASTIC AND RUBBER MATERIALS AND PARTS ~ APPEARANCE CHECK ~
RNES-B-00108	GRID CUTTING ADHESION TEST
RNES-B-20056	WHITENING SCRATCH RESISTANCE OF INTERIOR PLASTIC
RNES-B-20085	LIGHT RESISTANCE TEST METHODS FOR INTERIOR PARTS
RNES-B-20124	GLOSSING UP SCRATCH RESISTANCE FOR PLASTIC MATERIALS

Certification renewal: 2024

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Reference	Title
D21 3093	PAINTS AND RELATED PRODUCTS APPLIED TO RIGID PLASTIC MATERIAL PAINT COATING ADHESION "CROSS SCALPEL"
D23 1327	RESISTANCE TO WATER IMMERSION
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
D42 1235	PLASTIC OR RUBBER PARTS IMPACT BEHAVIOUR (MASS DROP METHOD)
D45 1012	SHEET MATERIALS WEIGHT PER UNIT AREA
D45 1802	EXTERNAL HUB CAPS MADE OF PLASTIC FITTED TO THE BODY INSTALLATION FORCE AND ASSEMBLING RESISTANCE
D45 1837	PAINT COATINGS ON PLASTIC PARTS AND MASS STAINING OF COLORED MATERIALS BY AUTOMOTIVE FLUIDS
D47 1165	ACCELERATED AGEING - PRODUCT APPLIED FOR BONDING, SEALING, ANTI-GRITTING, DAMPING, ANTI-CORROSION AND PROTECTION FUNCTIONS
D47 1217	FIBROUS MATERIALS BEHAVIOR IN DAMP ATMOSPHERE RESISTANCE TO MICRO-ORGANISMS
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D47 1924	PLASTICS AND RUBBERS OCCASSIONAL CONTACT WITH AUTOMOBILE FLUIDS
ISO 2409	PAINT AND VARNISHES - CROSS-CUT TEST
RNES-B-00070	FOGGING OF INTERIOR TRIM MATERIALS AND PASSENGER COMPARTMENT PARTS FOR AUTOMOBILES
RNES-B-00071	FLAMMABILITY FOR AUTOMOTIVE MATERIALS

Certification renewal: 07/2023

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Reference	Title
D11 1510	BENDING FLEXIBILITY - METHOD ON TEST PIECE ROOF LINING
D14 1055	ORGANIC MATERIALS AND COATINGS WEAR DUE TO RUBBING
D15 1343	VISUAL COMPARISON OF COLORS IN LIGHT CHAMBER
D24 1483	FASTENING AND UNFASTENING PROTECTION PROFILES
D24 3098	PLASTIC AND RUBBER COVERING RESISTANCE TO ABRASION
D25 1272	SEMI-CRISTALLINE MATERIALS COVENTIONAL FUSION TEMPERATURE (HEAT ANALYSIS)
D25 1324	RESISTANCE DURING THERMAL CYCLES ELECTROLYTIC COATINGS ON PLASTIC PARTS
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
D41 1003	FLEXIBLE ALVEOLATE MATERIALS FOR TRIMMING COMPRESSIVE STRENGTH
D41 1009	PLASTIC SHEETS - TRACTION
D41 1013	SHEET MATERIALS THICKNESS MEASUREMENT
D41 1015	TRIM MATERIALS - PEELING AT 180°
D41 1029	TEXTILES, COATED TEXTILES AND LEATHER TENSILE STRENGTH
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D41 1048	FLEXIBLE AND SEMI-RIGID CELLULAR MATERIALS TEAR STRENGTH (SAMPLE : TROUSERS TYPE)
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D41 1097	FLOOR COVERINGS - RESISTANCE TO PUNCHING
D41 1126	TEXTILES - PLATIC-COATED TEXTILES PLASTIC FOILS - CARPETS - LEATHERS TEARING
D41 1142	THREADS, STRINGS STRENGTH AND ELONGATION AT RUPTURE
D41 1286	SHEET MATERIALS TEARING RESISTANCE (DOLLY METHOD)
D41 1536	PRESSED WOOD, PAPER BOARD BENDING TEST
D41 1588	TRIM MATERIALS - TENSILE STRENGTH OF SEW LINES

**Russian Regional Technical Center (RRTC)
(Togliatti, Russia)**

Reference	Title
D41 1589	TEXTILES, PLASTIC COATED TEXTILES (TEP), LEATHERS, COMPOSITES TEAR STRENGTH OF SEAMS
D41 1621	FLEXIBLE RUBBER AND PLASTIC HOSES TEARING RESISTANCE
D42 1235	PLASTIC OR RUBBER PARTS IMPACT BEHAVIOUR (MASS DROP METHOD)
D44 1900	PLASTICS - RESISTANCE TO MARKING (RESISTANCE TO SCORING THROUGH POLISHING)
D44 3069 Only for Russian projects	TEXTILES TENDENCY OF PEELING BY SEVERE FRICTIONS
D45 1012	SHEET MATERIALS WEIGHT PER UNIT AREA
D45 1014	TEXTILES - THREAD COUNT
D45 1020	TEXTILES D'ASPECT POUR SELLERIE ET HABILLAGE INTERIEUR. COMPORTEMENT A LA DEPERLANCE
D45 1045	CELLULAR MATERIALS APPARENT DENSITY
D45 1046	SOFT HONEYCOMBED TRIMMING MATERIALS RESIDUAL DEFORMATION AFTER COMPRESSION WITH CONSTANT THICKNESS
D45 1124	TEXTILES AND COATED TEXTILES ELONGATION UNDER LOW LOAD INSTANTANEOUS RESIDUAL DEFORMATION AFTER REMOVING THE LOAD
D45 1139	TRIM MATERIALS DIMENSIONAL VARIATIONS AND CHANGE IN APPEARANCE WHEN SUBJECTED TO HEAT
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D45 1195	FELTS AND PADDINGS THICKNESS AND COMPRESSIBILITY
D45 1197	FELTS - PADDINGS SEPARATION
D45 1228	MATERIALS IN THE FORM OF STRIPS, WEBS AND FORMED SECTIONS MASS PER METER
D45 1301	TRIMMING MATERIALS FLEXIBILITY
D45 1564	TEXTILES: DIMENSIONAL VARIATIONS WHEN SUBJECTED TO HUMIDITY
D45 1817	ORGANIC MATERIALS AND COATINGS SOILING RESISTANCE
D45 2024 Only for Russian projects	TEXTILES- FATIGUE DES COUTURES
D45 3153	FABRIC, LEATHER AND SEAT VINYL SOILING AND CLEANABILITY BEHAVIOUR
D45 5331	COMPOSITE TRIM MATERIALS TENDENCY OF GETTING FOLDED
D47 1005	TRIM MATERIALS STAINING WITH WATER OR OTHER
D47 1035	RUBBERS AND PLASTICS STAINING
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D47 1199	CARDBOARD - WOOD - PLASTIC: MOTTILING VIA A TRIM PARTS CONSTITUENT MATERIALS
D47 1217	FIBROUS MATERIALS BEHAVIOR IN DAMP ATMOSPHERE RESISTANCE TO MICRO-ORGANISMS

**Russian Regional Technical Center (RRTC)
(Togliatti, Russia)**

Reference	Title
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D47 1309	MATERIALS AND PARTS OF AUTOMOTIVE EQUIPMENT AGEING ACCORDING TO GIVEN CLIMATIC CYCLE
D47 1924	PLASTICS AND RUBBERS OCCASSIONAL CONTACT WITH AUTOMOBILE FLUIDS
D51 1485	ADHESIVE PEELING AT A RIGHT ANGLE
D51 3022	INTERIOR TRIM MATERIALS RIGHT-ANGLE PEELING
D55 1209	PASTE PRODUCTS VISCOUS PREPARATIONS CONVENTIONAL DRY EXTRACT
ISO 1133-1	DETERMINATION OF THE MELT MASS-FLOW RATE (MFR) AND MELT VOLUME-FLOW RATE (MVR) OF THERMOPLASTICS
ISO 1183	METHODS FOR DETERMINING THE DENSITY OF NONCELLULAR PLASTICS
ISO 1431-1	AGEING IN OZONIZED AIR
ISO 178	DETERMINATION OF FLEXURAL PROPERTIES
ISO 179-1	DETERMINATION OF CHARPY IMPACT PROPERTIES
ISO 180	DETERMINATION OF IZOD IMPACT STRENGTH
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
ISO 188	ACCELERATED AGEING AND HEAT RESISTANCE TESTS
ISO 2781	DETERMINATION OF DENSITY
ISO 306	DETERMINATION OF VICAT SOFTENING TEMPERATURE
ISO 34-2	DETERMINATION OF TEAR STRENGTH. DELFT TEST PIECE
ISO 3451-1	DETERMINATION OF ASH
ISO 37	DETERMINATION OF TENSILE STRESS-STRAIN PROPERTIES
ISO 48-2	DETERMINATION OF HARDNESS (BETWEEN 10 IRHD AND 100 IRHD)
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
ISO 75-2	DETERMINATION OF TEMPERATURE OF DEFLECTION UNDER LOAD
ISO 812	DETERMINATION OF LOW-TEMPERATURE BRITTLENESS
ISO 815-1	DETERMINATION OF COMPRESSION SET. AT AMBIENT OR ELEVATED TEMPERATURES
RNES-B-00019	DECORATIVE PLATED PARTS - CALCIUM CHLORIDE MUD TEST (RUSSIAN MUD TEST)
RNES-B-00070	FOGGING OF INTERIOR TRIM MATERIALS AND PASSENGER COMPARTMENT PARTS FOR AUTOMOBILES
RNES-B-00071	FLAMMABILITY FOR AUTOMOTIVE MATERIALS
RNES-B-00075	ABRASION RESISTANCE FOR CARPET
RNES-B-00076	FLUFFING RESISTANCE FOR CARPET

**Russian Regional Technical Center (RRTC)
(Togliatti, Russia)**

Reference	Title
RNES-B-00090 Method 2	ASPECT MODIFICATION DUE TO FRICTION (CROCKMETER) FOR INTERIOR AND EXTERIOR PARTS
RNES-B-20056	WHITENING SCRATCH RESISTANCE OF INTERIOR PLASTIC
RNES-B-20083	WEIGHT PER UNIT AREA MEASURING METHOD FOR AUTOMOTIVE CARPET

Certification renewal: 04/2024

Alliance specifications	<i>Former Renault specifications</i>
RNES-B-00096 Odor test method for materials and parts	<i>D493001 /--E Emission d'odeurs, Pièces d'équipement intérieur. Mesure de l'intensité et caractérisation de l'odeur dans sa globalité</i>
	<i>D493046 /--C Emissions d'odeurs, Pièces d'équipement intérieur. Mesure de l'intensité et caractérisation de l'odeur de pièces d'habitable en chambre climatique</i>

Certification renewal: 11/2024

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Reference	Title
D15 1343	VISUAL COMPARISON OF COLORS IN LIGHT CHAMBER
D15 5083	OPAQUE COLOURED PRODUCTS COLOUR POINT (SPETROCOLORIMETRY)
D21 3092	PAINTS AND RELATED PRODUCTS APPLIED ONTO PLASTIC MATERIAL - TEARING RESISTANCE MEASURED WITH SCLEROMETER
D21 3093	PAINTS AND RELATED PRODUCTS APPLIED TO RIGID PLASTIC MATERIAL PAINT COATING ADHESION "CROSS SCALPEL"
D25 1324	RESISTANCE DURING THERMAL CYCLES ELECTROLYTIC COATINGS ON PLASTIC PARTS
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
D41 1009	PLASTIC SHEETS - TRACTION
D41 1015	TRIM MATERIALS - PEELING AT 180°
D41 1029	TEXTILES, COATED TEXTILES AND LEATHER TENSILE STRENGTH
D41 1048	FLEXIBLE AND SEMI-RIGID CELLULAR MATERIALS TEAR STRENGTH (SAMPLE : TROUSERS TYPE)
D41 1097	FLOOR COVERINGS - RESISTANCE TO PUNCHING
D41 1126	TEXTILES - PLATIC-COATED TEXTILES PLASTIC FOILS - CARPETS - LEATHERS TEARING
D41 1540	RUBBER OR PLASTIC BASED CELLULAR MATERIALS PERMANENT SET AT CONSTANT DEFORMATION
D42 1235	PLASTIC OR RUBBER PARTS IMPACT BEHAVIOUR (MASS DROP METHOD)
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D45 1045	CELLULAR MATERIALS APPARENT DENSITY
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D45 1837	PAINT COATINGS ON PLASTIC PARTS AND MASS STAINING OF COLORED MATERIALS BY AUTOMOTIVE FLUIDS
D47 1005	TRIM MATERIALS STAINING WITH WATER OR OTHER
D47 1165	ACCELERATED AGEING - PRODUCT APPLIED FOR BONDING, SEALING, ANTI-GRITTING, DAMPING, ANTI-CORROSION AND PROTECTION FUNCTIONS
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D47 1309	MATERIALS AND PARTS OF AUTOMOTIVE EQUIPMENT AGEING ACCORDING TO GIVEN CLIMATIC CYCLE
D51 1485	ADHESIVE PEELING AT A RIGHT ANGLE
ISO 1133-1	DETERMINATION OF THE MELT MASS-FLOW RATE (MFR) AND MELT VOLUME-FLOW RATE (MVR) OF THERMOPLASTICS

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Reference	Title
ISO 11357-3	DETERMINATION OF TEMPERATURE AND ENTHALPY OF MELTING AND CRYSTALLIZATION (DSC)
ISO 1407	DETERMINATION OF SOLVENT EXTRACT
ISO 2781	DETERMINATION OF DENSITY
ISO 2808	PAINTS AND VARNISHES - DETERMINATION OF FILM THICKNESS
ISO 3451-1	DETERMINATION OF ASH
ISO 37	DETERMINATION OF TENSILE STRESS-STRAIN PROPERTIES
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
ISO 9924-3	DETERMINATION OF THE CENTESIMALE COMPOSITION BY THERMOGRAVIMETRY, AFTER EXTRACTION
RNES-B-00070	FOGGING OF INTERIOR TRIM MATERIALS AND PASSENGER COMPARTMENT PARTS FOR AUTOMOBILES
RNES-B-00071	FLAMMABILITY FOR AUTOMOTIVE MATERIALS
RNES-B-00090 Method 2	ASPECT MODIFICATION DUE TO FRICTION (CROCKMETER) FOR INTERIOR AND EXTERIOR PARTS
RNES-B-20085 Method 3	LIGHT RESISTANCE TEST METHODS FOR INTERIOR PARTS (FOM TEST) - LOW, MEDIUM AND HIGH TEMPERATURES

Certification renewal: 05/2023

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Reference	Title
D47 5270	RESISTANCE TO COMPLEX FLUIDS
ISO 1407	DETERMINATION OF SOLVENT EXTRACT
ISO 1431-1	AGEING IN OZONIZED AIR
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
ISO 188	ACCELERATED AGEING AND HEAT RESISTANCE TESTS
ISO 22768	DETERMINATION OF THE GLASS TRANSITION TEMPERATURE BY DSC
ISO 2285	DETERMINATION OF TENSION SET UNDER CONSTANT ELONGATION
ISO 2781	DETERMINATION OF DENSITY
ISO 34-1	DETERMINATION OF TEAR STRENGTH. TROUSER, ANGLE AND CRESCENT TEST PIECE
ISO 34-2	DETERMINATION OF TEAR STRENGTH. DELFT TEST PIECE
ISO 37	DETERMINATION OF TENSILE STRESS-STRAIN PROPERTIES
ISO 4649	DETERMINATION OF ABRASION RESISTANCE USING A ROTATING CYLINDRICAL DRUM
ISO 48-2	DETERMINATION OF HARDNESS (BETWEEN 10 IRHD AND 100 IRHD)
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
ISO 815-1	DETERMINATION OF COMPRESSION SET. AT AMBIENT OR ELEVATED TEMPERATURES
ISO 9924-3	DETERMINATION OF THE CENTESIMALE COMPOSITION BY THERMOGRAVIMETRY, AFTER EXTRACTION

Certification renewal: 01/2023

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Reference	Title
D14 1055	ORGANIC MATERIALS AND COATINGS WEAR DUE TO RUBBING
D15 1343	VISUAL COMPARISON OF COLORS IN LIGHT CHAMBER
D21 1243	LEATHER RESISTANCE OF THE COATING TO ELONGATION
D21 3092	PAINTS AND RELATED PRODUCTS APPLIED ONTO PLASTIC MATERIAL - TEARING RESISTANCE MEASURED WITH SCLEROMETER
D21 3093	PAINTS AND RELATED PRODUCTS APPLIED TO RIGID PLASTIC MATERIAL PAINT COATING ADHESION "CROSS SCALPEL"
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
D41 1029	TEXTILES, COATED TEXTILES AND LEATHER TENSILE STRENGTH
D41 1048	FLEXIBLE AND SEMI-RIGID CELLULAR MATERIALS TEAR STRENGTH (SAMPLE : TROUSERS TYPE)
D41 1126	TEXTILES - PLATIC-COATED TEXTILES PLASTIC FOILS - CARPETS - LEATHERS TEARING
D41 1588	TRIM MATERIALS - TENSILE STRENGTH OF SEW LINES
D41 3075	ENDUITS ET PEINTURE SUR CUIR ADHERENCE
D42 1007	PLASTIC COATED TEXTILES - LEATHERS CREASING
D42 1008	LEATHER - PLASTIC OR RUBBER COATED TEXTILES - PLASTIC SHEETS COLD BRITTLNESS
D42 1235	PLASTIC OR RUBBER PARTS IMPACT BEHAVIOUR (MASS DROP METHOD)
D42 1775	INTERIOR AND EXTERIOR PLASTIC PARTS RESISTANCE TO SCORING BY ABRASION
D42 2036	EXTERNAL PAINTED PARTS RESISTANCE TO SCORING DUE TO ABRASION
D44 1846	TEXTILES TENDENCY TO PILL AND FRAY BY FRICTION
D44 1848	STEERING WHEELS ABRASION RESISTANCE
D44 1900	PLASTICS - RESISTANCE TO MARKING (RESISTANCE TO SCORING THROUGH POLISHING)
D45 1012	SHEET MATERIALS WEIGHT PER UNIT AREA
D45 1030	COATED TEXTILES TEXTILES - PLASTIC FOILS - STRAPS TRIM LEATHER BUCKLE FLEXIBILITY
D45 1131	CANVAS COVERS, TRIM MATERIALS PERMEABILITY TO WATER (HYDROSTATIC PRESSURE)

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Reference	Title
D45 1139	TRIM MATERIALS DIMENSIONAL VARIATIONS AND CHANGE IN APPEARANCE WHEN SUBJECTED TO HEAT
D45 1817	ORGANIC MATERIALS AND COATINGS SOILING RESISTANCE
D47 1005	TRIM MATERIALS STAINING WITH WATER OR OTHER
D47 1020	COLORFASTNESS TO WATER, SEA WATER AND PERSPIRATION
D47 1035	RUBBERS AND PLASTICS STAINING
D47 1165	ACCELERATED AGEING - PRODUCT APPLIED FOR BONDING, SEALING, ANTI-GRITTING, DAMPING, ANTI-CORROSION AND PROTECTION FUNCTIONS
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D47 1309	MATERIALS AND PARTS OF AUTOMOTIVE EQUIPMENT AGEING ACCORDING TO GIVEN CLIMATIC CYCLE
D51 1485	ADHESIVE PEELING AT A RIGHT ANGLE
D51 3022	INTERIOR TRIM MATERIALS RIGHT-ANGLE PEELING
ISO 3451-1	DETERMINATION OF ASH
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
RNES-B-00070	FOGGING OF INTERIOR TRIM MATERIALS AND PASSENGER COMPARTMENT PARTS FOR AUTOMOBILES
RNES-B-00071	FLAMMABILITY FOR AUTOMOTIVE MATERIALS
RNES-B-00090 Method 2	ASPECT MODIFICATION DUE TO FRICTION (CROCKMETER) FOR INTERIOR AND EXTERIOR PARTS
RNES-B-20085 Method 3	LIGHT RESISTANCE TEST METHODS FOR INTERIOR PARTS (FOM TEST) - LOW, MEDIUM AND HIGH TEMPERATURES

Certification renewal: 12/2022

ASIA



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Reference	Title
D15 1343	VISUAL COMPARISON OF COLORS IN LIGHT CHAMBER
D15 5083	OPAQUE COLOURED PRODUCTS COLOUR POINT(SPECTROCOLORIMETRY)
D17 1736	PAINTS AND PLASTICS COLOUR VARIATION TEST USING COLORIMETER
D21 3092	PAINTS AND RELATED PRODUCTS APPLIED ONTO PLASTIC MATERIAL - TEARING RESISTANCE MEASURED WITH SCLEROMETER
D21 3093	PAINTS AND RELATED PRODUCTS APPLIED TO RIGID PLASTIC MATERIAL PAINT COATING ADHESION "CROSS SCALPEL"
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
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D41 1013	SHEET MATERIALS THICKNESS MEASUREMENT
D41 1015	TRIM MATERIALS - PEELING AT 180°
D41 1029	TEXTILES, COATED TEXTILES AND LEATHER TENSILE STRENGTH
D41 1048	FLEXIBLE AND SEMI-RIGID CELLULAR MATERIALS TEAR STRENGTH (SAMPLE : TROUSERS TYPE)
D41 1065	TEXTILES, PLASTIC-COATED TEXTILES TENSILE RESISTANCE AFTER THREADLESS STITCHING
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D41 1126	TEXTILES - PLATIC-COATED TEXTILES PLASTIC FOILS - CARPETS - LEATHERS TEARING
D41 1540	RUBBER OR PLASTIC BASED CELLULAR MATERIALS PERMANENT SET AT CONSTANT DEFORMATION
D45 1030	COATED TEXTILES TEXTILES - PLASTIC FOILS - STRAPS TRIM LEATHER BUCKLE FLEXIBILITY
D45 1045	CELLULAR MATERIALS APPARENT DENSITY
D45 1139	TRIM MATERIALS DIMENSIONAL VARIATIONS AND CHANGE IN APPEARANCE WHEN SUBJECTED TO HEAT
D45 1195	FELTS AND PADDINGS THICKNESS AND COMPRESSIBILITY
D45 1228	MATERIALS IN THE FORM OF STRIPS, WEBS AND FORMED SECTIONS MASS PER METER
D45 1564	TEXTILES: DIMENSIONAL VARIATIONS WHEN SUBJECTED TO HUMIDITY
D45 1817	ORGANIC MATERIALS AND COATINGS SOILING RESISTANCE
D45 5269	TEXTILES BIAS, SLACK AND THREAD DIRECTION ERRORS
D47 1005	TRIM MATERIALS STAINING WITH WATER OR OTHER
D47 1020	COATINGS AND PASSENGER COMPARTMENT PARTS COLORFASTNESS TO WATER, TO SEA-WATER AND TO SWEAT

**FITI Testing & Research Institute
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Reference	Title
D471035	RUBBERS AND PLASTICS STAINING
D471165	ACCELERATED AGEING - PRODUCT APPLIED FOR BONDING, SEALING, ANTI-GRITTING, DAMPING, ANTI-CORROSION AND PROTECTION FUNCTIONS
D471199	CARDBOARD - WOOD - PLASTIC: MOTTILING VIA A TRIM PARTS CONSTITUENT MATERIALS
D471234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D471309	MATERIALS AND PARTS OF AUTOMOTIVE EQUIPMENT AGEING ACCORDING TO GIVEN CLIMATIC CYCLE
D471850	COATING PLASTIC SHEET THERMAL AGEING
D471915	PLASTICS COLOUR FASTNESS TO FLUIDS DUE TO THE EFFECT OF LIGHT
D511485	ADHESIVE PEELING AT A RIGHT ANGLE
ISO 1133-1	DETERMINATION OF THE MELT MASS-FLOW RATE (MFR) AND MELT VOLUME-FLOW RATE (MVR) OF THERMOPLASTICS
ISO 1183	METHODS FOR DETERMINING THE DENSITY OF NONCELLULAR PLASTICS
ISO 2409	PAINT AND VARNISHES - CROSS-CUT TEST
ISO 75-2	DETERMINATION OF TEMPERATURE OF DEFLECTION UNDER LOAD
NF EN 1049 Method 2	TEXTILES, WOVEN FABRICS - DETERMINATION OF NUMBER OF THREADS PER UNIT LENGTH
NF EN 1773	TEXTILES, FABRICS - DETERMINATION OF WIDTH AND LENGTH
RNES-B-00070	FOGGING OF INTERIOR TRIM MATERIALS AND PASSENGER COMPARTMENT PARTS FOR AUTOMOBILES
RNES-B-00071	FLAMMABILITY FOR AUTOMOTIVE MATERIALS
RNES-B-00090 Method 2	ASPECT MODIFICATION DUE TO FRICTION (CROCKMETER) FOR INTERIOR AND EXTERIOR PARTS
RNES-B-20083	WEIGHT PER UNIT AREA MEASURING METHOD FOR AUTOMOTIVE CARPET
RNES-B-20085 Method 3	LIGHT RESISTANCE TEST METHODS FOR INTERIOR PARTS (FOM TEST)

Certification renewal: 06/2024

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Reference	Title
D14 1055	ORGANIC MATERIALS AND COATINGS WEAR DUE TO RUBBING
D15 1343	VISUAL COMPARISON OF COLORS IN LIGHT CHAMBER
D17 1736	PAINTS AND PLASTICS COLOUR VARIATION TEST USING COLORIMETER
D21 3092	PAINTS AND RELATED PRODUCTS APPLIED ONTO PLASTIC MATERIAL - TEARING RESISTANCE MEASURED WITH SCLEROMETER
D21 3093	PAINTS AND RELATED PRODUCTS APPLIED TO RIGID PLASTIC MATERIAL PAINT COATING ADHESION "CROSS SCALPEL"
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
D41 1015	TRIM MATERIALS - PEELING AT 180°
D41 1029	TEXTILES, COATED TEXTILES AND LEATHER TENSILE STRENGTH
D41 1126	TEXTILES - PLATIC-COATED TEXTILES PLASTIC FOILS - CARPETS - LEATHERS TEARING
D42 1775	INTERIOR AND EXTERIOR PLASTIC PARTS RESISTANCE TO SCORING BY ABRASION
D44 1900	PLASTICS - RESISTANCE TO MARKING (RESISTANCE TO SCORING THROUGH POLISHING)
D47 1020	COATINGS AND PASSENGER COMPARTMENT PARTS COLORFASTNESS TO WATER, TO SEA-WATER AND TO SWEAT
D47 1165	ACCELERATED AGEING - PRODUCT APPLIED FOR BONDING, SEALING, ANTI-GRITTING, DAMPING, ANTI-CORROSION AND PROTECTION FUNCTIONS
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D47 1309	MATERIALS AND PARTS OF AUTOMOTIVE EQUIPMENT AGEING ACCORDING TO GIVEN CLIMATIC CYCLE
ISO 2409	PAINT AND VARNISHES - CROSS-CUT TEST
ISO 37	DETERMINATION OF TENSILE STRESS-STRAIN PROPERTIES
RNES-B-00090 Method 2	ASPECT MODIFICATION DUE TO FRICTION (CROCKMETER) FOR INTERIOR AND EXTERIOR PARTS
RNES-B-20083	WEIGHT PER UNIT AREA MEASURING METHOD FOR AUTOMOTIVE CARPET
RNES-B-20085 Method 3	LIGHT RESISTANCE TEST METHODS FOR INTERIOR PARTS (FOM TEST)

Certification renewal: 02/2023

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Alliance specifications	Former Renault specifications
RNES-B-00096 Odor test method for materials and parts	<i>D493001 /--E Emission d'odeurs, Pièces d'équipement intérieur. Mesure de l'intensité et caractérisation de l'odeur dans sa globalité</i>
	<i>D493046 /--C Emissions d'odeurs, Pièces d'équipement intérieur. Mesure de l'intensité et caractérisation de l'odeur de pièces d'habitacle en chambre climatique</i>
RNES-B-20116 Screening method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials-Micro-scale chamber method	<i>D403004/--A Analyse du formaldéhyde et autres composés carbonylés dans les matériaux de l'habitacle par chromatographie liquide</i>
	<i>D423109 /--C Matériaux de l'habitacle véhicule. Evaluation de la quantité de composés organiques volatils (COV) par thermo-désorption GC/MS/(FID)</i>
	<i>D413144 /--A Mastic et colle : évaluation de la quantité de composés organiques volatils par thermo-désorption/GC/MS</i>
RNES-B-00114 (method 2) - Vehicle Interior parts - Test method for the determination of the volatile organic compounds	<i>D493085 /--B Analyse des aldéhydes et cétones émis par les pièces d'équipement intérieur en chambre climatique</i>

Certification renewal: 12/2024

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Reference	Title
ISO 1133-1	DETERMINATION OF THE MELT MASS-FLOW RATE (MFR) AND MELT VOLUME-FLOW RATE (MVR) OF THERMOPLASTICS
ISO 1183	METHODS FOR DETERMINING THE DENSITY OF NONCELLULAR PLASTICS
ISO 178	DETERMINATION OF FLEXURAL PROPERTIES
ISO 180	DETERMINATION OF IZOD IMPACT STRENGTH
ISO 75-2	DETERMINATION OF TEMPERATURE OF DEFLECTION UNDER LOAD
RNES-B-00071	FLAMMABILITY FOR AUTOMOTIVE MATERIALS

Certification renewal: 06/2024

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Reference	Title
D15 1343	VISUAL COMPARISON OF COLORS IN LIGHT CHAMBER
D17 1736	PAINTS AND PLASTICS COLOUR VARIATION TEST USING COLORIMETER
D21 3093	PAINTS AND RELATED PRODUCTS APPLIED TO RIGID PLASTIC MATERIAL PAINT COATING ADHESION "CROSS SCALPEL"
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
D41 1013	SHEET MATERIALS THICKNESS MEASUREMENT
D41 1015	TRIM MATERIALS - PEELING AT 180°
D41 1029	TEXTILES, COATED TEXTILES AND LEATHER TENSILE STRENGTH
D41 1126	TEXTILES - PLATIC-COATED TEXTILES PLASTIC FOILS - CARPETS - LEATHERS TEARING
D44 1997	TEXTILES - TENDENCY TO FRAY ON SENSIBLE AREA
D45 1014	TEXTILES - THREAD COUNT
D45 1045	CELLULAR MATERIALS APPARENT DENSITY
D45 1124	TEXTILES AND COATED TEXTILES ELONGATION UNDER LOW LOAD INSTANTANEOUS RESIDUAL DEFORMATION AFTER REMOVING THE LOAD
D45 1139	TRIM MATERIALS DIMENSIONAL VARIATIONS AND CHANGE IN APPEARANCE WHEN SUBJECTED TO HEAT
D45 1564	TEXTILES: DIMENSIONAL VARIATIONS WHEN SUBJECTED TO HUMIDITY
D45 1596	FABRICS, RAISED KNITTED FABRICS, AND PILELESS VELVETS - VELVET CRUSHING
D47 1005	TRIM MATERIALS STAINING WITH WATER OR OTHER
D47 1020	COLORFASTNESS TO WATER, SEA WATER AND PERSPIRATION
D47 1165	ACCELERATED AGEING - PRODUCT APPLIED FOR BONDING, SEALING, ANTI-GRITTING, DAMPING, ANTI-CORROSION AND PROTECTION FUNCTIONS
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D47 1309	MATERIALS AND PARTS OF AUTOMOTIVE EQUIPMENT AGEING ACCORDING TO GIVEN CLIMATIC CYCLE
D47 1924	PLASTICS AND RUBBERS OCCASSIONAL CONTACT WITH AUTOMOBILE FLUIDS
ISO 1133-1	DETERMINATION OF THE MELT MASS-FLOW RATE (MFR) AND MELT VOLUME-FLOW RATE (MVR) OF THERMOPLASTICS
ISO 1183	METHODS FOR DETERMINING THE DENSITY OF NONCELLULAR PLASTICS
ISO 1431-1	AGEING IN OZONIZED AIR

**SGS Korea
(Anyang, Korea)**

Reference	Title
ISO 178	DETERMINATION OF FLEXURAL PROPERTIES
ISO 180	DETERMINATION OF IZOD IMPACT STRENGTH
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
ISO 188	ACCELERATED AGEING AND HEAT RESISTANCE TESTS
ISO 2285	DETERMINATION OF TENSION SET UNDER CONSTANT ELONGATION
ISO 2409	PAINT AND VARNISHES - CROSS-CUT TEST
ISO 2781	DETERMINATION OF DENSITY
ISO 2808	PAINTS AND VARNISHES - DETERMINATION OF FILM THICKNESS
ISO 37	DETERMINATION OF TENSILE STRESS-STRAIN PROPERTIES
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
ISO 527-2	DETERMINATION OF TENSILE PROPERTIES
ISO 75-2	DETERMINATION OF TEMPERATURE OF DEFLECTION UNDER LOAD
ISO 815-1	DETERMINATION OF COMPRESSION SET. AT AMBIENT OR ELEVATED TEMPERATURES
ISO 815-2	DETERMINATION OF COMPRESSION SET. AT LOW TEMPERATURES
RNES-B-00070	FOGGING OF INTERIOR TRIM MATERIALS AND PASSENGER COMPARTMENT PARTS FOR AUTOMOBILES
RNES-B-00071	FLAMMABILITY FOR AUTOMOTIVE MATERIALS
RNES-B-00090 Method 2	ASPECT MODIFICATION DUE TO FRICTION (CROCKMETER) FOR INTERIOR AND EXTERIOR PARTS
RNES-B-20083	WEIGHT PER UNIT AREA MEASURING METHOD FOR AUTOMOTIVE CARPET
RNES-B-20085 Method 3	LIGHT RESISTANCE TEST METHODS FOR INTERIOR PARTS (FOM TEST) – LOW, MEDIUM AND HIGH TEMPERATURES

Certification renewal: 12/2022

**SGS Korea
(Anyang, Korea)**

Alliance specifications	Former Renault specifications
RNES-B-00096 Odor test method for materials and parts	<p><i>D493001 /--E Emission d'odeurs, Pièces d'équipement intérieur. Mesure de l'intensité et caractérisation de l'odeur dans sa globalité</i></p> <p><i>D493046 /--C Emissions d'odeurs, Pièces d'équipement intérieur. Mesure de l'intensité et caractérisation de l'odeur de pièces d'habitacle en chambre climatique</i></p>
RNES-B-20116 Screening method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials-Micro-scale chamber method	<p><i>D403004/--A Analyse du formaldéhyde et autres composés carbonylés dans les matériaux de l'habitacle par chromatographie liquide</i></p> <p><i>D423109 /--C Matériaux de l'habitacle véhicule. Evaluation de la quantité de composés organiques volatils (COV) par thermo-désorption GC/MS/(FID)</i></p> <p><i>D413144 /--A Mastic et colle : évaluation de la quantité de composés organiques volatils par thermo-désorption/GC/MS</i></p>
RNES-B-00114 (method 2) - Vehicle Interior parts - Test method for the determination of the volatile organic compounds	<i>D493085 /--B Analyse des aldéhydes et cétones émis par les pièces d'équipement intérieur en chambre climatique</i>

Certification renewal: 12/2024

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Reference	Title
RNES-B-00070	FOGGING OF INTERIOR TRIM MATERIALS AND PASSENGER COMPARTMENT PARTS FOR AUTOMOBILES

Certification renewal : 03/2024

Alliance specifications	Former Renault specifications
RNES-B-00096 Odor test method for materials and parts	<i>D493001 /--E Emission d'odeurs, Pièces d'équipement intérieur. Mesure de l'intensité et caractérisation de l'odeur dans sa globalité</i>
	<i>D493046 /--C Emissions d'odeurs, Pièces d'équipement intérieur. Mesure de l'intensité et caractérisation de l'odeur de pièces d'habitacle en chambre climatique</i>
RNES-B-20116 Screening method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials-Micro-scale chamber method	<i>D403004/--A Analyse du formaldéhyde et autres composés carbonylés dans les matériaux de l'habitacle par chromatographie liquide</i>
	<i>D423109 /--C Matériaux de l'habitacle véhicule. Evaluation de la quantité de composés organiques volatils (COV) par thermo-désorption GC/MS/(FID)</i>
	<i>D413144 /--A Mastic et colle : évaluation de la quantité de composés organiques volatils par thermo-désorption/GC/MS</i>
RNES-B-00114 (method 2) - Vehicle Interior parts - Test method for the determination of the volatile organic compounds	<i>D493085 /--B Analyse des aldéhydes et cétones émis par les pièces d'équipement intérieur en chambre climatique</i>

Certification renewal: 12/2024

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Reference	Title
D11 1054	SUPPLENESS OF A PART BY IMPRESSION OF A HEMISPHERICAL PUNCH BEADS, PROTECTIVE STRIPS, ARMRESTS, VARIOUS TRIMMING
D11 1157	ADHESIVES - FLAT ANGLE PEELING
D11 1503	SUPPLENESS OF A PART BY INDENTATION OF A SEMI-CYLINDRICAL PUNCH PADS, PROTECTIVE BANDS, ARMRESTS, MISCELLANEOUS TRIMS
D15 1343	VISUAL COMPARISON OF COLORS IN LIGHT CHAMBER
D21 3092	PAINTS AND RELATED PRODUCTS APPLIED ONTO PLASTIC MATERIAL - TEARING RESISTANCE MEASURED WITH SCLEROMETER
D21 3093	PAINTS AND RELATED PRODUCTS APPLIED TO RIGID PLASTIC MATERIAL PAINT COATING ADHESION "CROSS SCALPEL"
D25 1324	RESISTANCE DURING THERMAL CYCLES ELECTROLYTIC COATINGS ON PLASTIC PARTS
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
D27 1465	PAINT COATINGS ACTION OF SOLID OR PASTE ORGANIC MATERIALS
D41 1013	SHEET MATERIALS THICKNESS MEASUREMENT
D41 1015	TRIM MATERIALS - PEELING AT 180°
D41 1029	TEXTILES, COATED TEXTILES AND LEATHER TENSILE STRENGTH
D42 1235	PLASTIC OR RUBBER PARTS IMPACT BEHAVIOUR (MASS DROP METHOD)
D42 1775	INTERIOR AND EXTERIOR PLASTIC PARTS RESISTANCE TO SCORING BY ABRASION
D45 1139	TRIM MATERIALS DIMENSIONAL VARIATIONS AND CHANGE IN APPEARANCE WHEN SUBJECTED TO HEAT
D45 1564	TEXTILES: DIMENSIONAL VARIATIONS WHEN SUBJECTED TO HUMIDITY
D45 1837	PAINT COATINGS ON PLASTIC PARTS AND MASS STAINING OF COLORED MATERIALS BY AUTOMOTIVE FLUIDS
D47 1005	TRIM MATERIALS STAINING WITH WATER OR OTHER
D47 1020	COLORFASTNESS TO WATER, SEA WATER AND PERSPIRATION
D47 1035	RUBBERS AND PLASTICS STAINING
D47 1165	ACCELERATED AGEING - PRODUCT APPLIED FOR BONDING, SEALING, ANTI-GRITTING, DAMPING, ANTI-CORROSION AND PROTECTION FUNCTIONS
D47 1199	CARDBOARD - WOOD - PLASTIC: MOTTILING VIA A TRIM PARTS CONSTITUENT MATERIALS

**SGS-CSTC Standard Technical Services
(Wuhan, China)**

Reference	Title
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D47 1309	MATERIALS AND PARTS OF AUTOMOTIVE EQUIPMENT AGEING ACCORDING TO GIVEN CLIMATIC CYCLE
D47 1915	PLASTICS COLOUR FASTNESS TO FLUIDS DUE THE EFFECT OF LIGHT
D51 1485	ADHESIVE PEELING AT A RIGHT ANGLE
D51 3022	INTERIOR TRIM MATERIALS RIGHT-ANGLE PEELING
ISO 188	ACCELERATED AGEING AND HEAT RESISTANCE TESTS
ISO 2409	PAINT AND VARNISHES - CROSS-CUT TEST
RNES-B-00019	DECORATIVE PLATED PARTS - CALCIUM CHLORIDE MUD TEST (RUSSIAN MUD TEST)
RNES-B-00071	FLAMMABILITY FOR AUTOMOTIVE MATERIALS
RNES-B-00090 Method 2	ASPECT MODIFICATION DUE TO FRICTION (CROCKMETER) FOR INTERIOR AND EXTERIOR PARTS
RNES-B-00108	GRID CUTTING ADHESION TEST
RNES-B-20083	WEIGHT PER UNIT AREA MEASURING METHOD FOR AUTOMOTIVE CARPET
RNES-B-20085 Method 3	LIGHT RESISTANCE TEST METHODS FOR INTERIOR PARTS (FOM TEST) - MEDIUM AND HIGH TEMPERATURES

Certification renewal : 03/2024

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Reference	Title
D11 1157	ADHESIVES - FLAT ANGLE PEELING
D15 1343	VISUAL COMPARISON OF COLORS IN LIGHT CHAMBER
D17 1736	PAINTS AND PLASTICS COLOUR VARIATION TEST USING COLORIMETER
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
D41 1048	FLEXIBLE AND SEMI-RIGID CELLULAR MATERIALS TEAR STRENGTH (SAMPLE : TROUSERS TYPE)
D41 1540	RUBBER OR PLASTIC BASED CELLULAR MATERIALS PERMANENT SET AT CONSTANT DEFORMATION
D41 1916	COMOULED SEALS - RESISTANCE OF ASSEMBLIES
D42 1235	PLASTIC OR RUBBER PARTS IMPACT BEHAVIOUR (MASS DROP METHOD)
D42 1541	FLEXIBLE AND SEMI- FLEXIBLE CELLULAR MATERIALS COMPRESSION RESISTANCE
D45 1837	PAINT COATINGS ON PLASTIC PARTS AND MASS STAINING OF COLORED MATERIALS BY AUTOMOTIVE FLUIDS
D47 1020	COATINGS AND PASSENGER COMPARTMENT PARTS COLORFASTNESS TO WATER, TO SEA-WATER AND TO SWEAT
D47 1165	ACCELERATED AGEING - PRODUCT APPLIED FOR BONDING, SEALING, ANTI-GRITTING, DAMPING, ANTI-CORROSION AND PROTECTION FUNCTIONS
D47 1217	FIBROUS MATERIALS BEHAVIOR IN DAMP ATMOSPHERE RESISTANCE TO MICRO-ORGANISMS
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D47 1309	MATERIALS AND PARTS OF AUTOMOTIVE EQUIPMENT AGEING ACCORDING TO GIVEN CLIMATIC CYCLE
D47 1924	PLASTICS AND RUBBERS OCCASSIONAL CONTACT WITH AUTOMOBILE FLUIDS
D51 1485	ADHESIVE PEELING AT A RIGHT ANGLE
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
ISO 2285	DETERMINATION OF TENSION SET UNDER CONSTANT ELONGATION
ISO 2409	PAINT AND VARNISHES - CROSS-CUT TEST
ISO 2808	PAINTS AND VARNISHES - DETERMINATION OF FILM THICKNESS
ISO 34	DETERMINATION OF TEAR STRENGTH

**EMTEK
(Wuhan, China)**

Reference	Title
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
ISO 815-2	DETERMINATION OF COMPRESSION SET. AT LOW TEMPERATURES
RNES-B-00090 Method 2	ASPECT MODIFICATION DUE TO FRICTION (CROCKMETER) FOR INTERIOR AND EXTERIOR PARTS

Certification renewal : 08/2023

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Reference	Title
D15 1343	VISUAL COMPARISON OF COLORS IN LIGHT CHAMBER
D20 1057	MICROGRAPHIC ANALYSIS OF DECORATIVE PLATING THICKNESS BY CROSS SECTION METHOD BY MICROSCOPE
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
ISO 2285	DETERMINATION OF TENSION SET UNDER CONSTANT ELONGATION
RNES-B-00069	METALLIC COATINGS - COULOMETRIC MEASUREMENT OF ELECTROPLATING THICKNESS - DECORATIVE PARTS APPLICATION
RNES-B-00070	FOGGING OF INTERIOR TRIM MATERIALS AND PASSENGER COMPARTMENT PARTS FOR AUTOMOBILES
RNES-B-20085 Method 3	LIGHT RESISTANCE TEST METHODS FOR INTERIOR PARTS (FOM TEST)

Certification renewal : 10/2023

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Reference	Title
D11 1157	ADHESIVES - FLAT ANGLE PEELING
D14 1055	ORGANIC MATERIALS AND COATINGS WEAR DUE TO RUBBING
D15 1343	VISUAL COMPARISON OF COLORS IN LIGHT CHAMBER
D21 3092	PAINTS AND RELATED PRODUCTS APPLIED ONTO PLASTIC MATERIAL - TEARING RESISTANCE MEASURED WITH SCLEROMETER
D21 3093	PAINTS AND RELATED PRODUCTS APPLIED TO RIGID PLASTIC MATERIAL PAINT COATING ADHESION "CROSS SCALPEL"
D25 1324	RESISTANCE DURING THERMAL CYCLES ELECTROLYTIC COATINGS ON PLASTIC PARTS
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
D41 1029	TEXTILES, COATED TEXTILES AND LEATHER TENSILE STRENGTH
D41 1048	FLEXIBLE AND SEMI-RIGID CELLULAR MATERIALS TEAR STRENGTH (SAMPLE : TROUSERS TYPE)
D41 1126	TEXTILES - PLATIC-COATED TEXTILES PLASTIC FOILS - CARPETS - LEATHERS TEARING
D41 1142	THREADS, STRINGS STRENGTH AND ELONGATION AT RUPTURE
D41 1540	RUBBER OR PLASTIC BASED CELLULAR MATERIALS PERMANENT SET AT CONSTANT DEFORMATION
D42 1008	LEATHER - PLASTIC OR RUBBER COATED TEXTILES - PLASTIC SHEETS COLD BRITTLENESS
D42 1775	INTERIOR AND EXTERIOR PLASTIC PARTS RESISTANCE TO SCORING BY ABRASION
D44 1900	PLASTICS - RESISTANCE TO MARKING (RESISTANCE TO SCORING THROUGH POLISHING)
D45 1228	MATERIALS IN THE FORM OF STRIPS, WEBS AND FORMED SECTIONS MASS PER METER
D45 1301	TRIMMING MATERIALS FLEXIBILITY
D45 1573	RESISTANCE TO TEARING FLEXIBLE CELLULAR MATERIALS
D47 1005	TRIM MATERIALS STAINING WITH WATER OR OTHER
D47 1165	ACCELERATED AGEING - PRODUCT APPLIED FOR BONDING, SEALING, ANTI-GRITTING, DAMPING, ANTI-CORROSION AND PROTECTION FUNCTIONS
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D47 1309	MATERIALS AND PARTS OF AUTOMOTIVE EQUIPMENT AGEING ACCORDING TO GIVEN CLIMATIC CYCLE
D51 1485	ADHESIVE PEELING AT A RIGHT ANGLE
D51 3022	INTERIOR TRIM MATERIALS RIGHT-ANGLE PEELING
D55 1151	ADHESIVES RESISTANCE TO CREEP UNDER SHEAR STRESS

**GRG METROLOGY AND TEST
(Wuhan, China)**

Reference	Title
ISO 34-2	DETERMINATION OF TEAR STRENGTH. DELFT TEST PIECE
ISO 37	DETERMINATION OF TENSILE STRESS-STRAIN PROPERTIES
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
RNES-B-00090 Method 2	ASPECT MODIFICATION DUE TO FRICTION (CROCKMETER) FOR INTERIOR AND EXTERIOR PARTS
RNES-B-20083	WEIGHT PER UNIT AREA MEASURING METHOD FOR AUTOMOTIVE CARPET

Certification renewal: 10/2023

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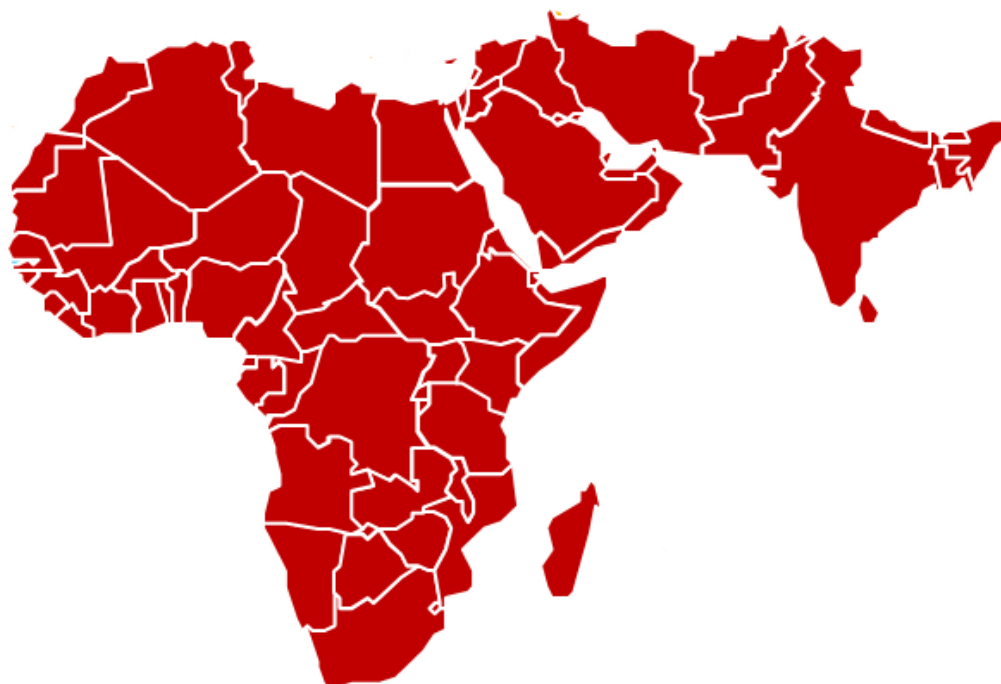
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Reference	Title
ISO 1133-1	DETERMINATION OF THE MELT MASS-FLOW RATE (MFR) AND MELT VOLUME-FLOW RATE (MVR) OF THERMOPLASTICS
ISO 11357-3	DETERMINATION OF TEMPERATURE AND ENTHALPY OF MELTING AND CRYSTALLIZATION (DSC)
ISO 1183	METHODS FOR DETERMINING THE DENSITY OF NONCELLULAR PLASTICS
ISO 178	DETERMINATION OF FLEXURAL PROPERTIES
ISO 179-1	DETERMINATION OF CHARPY IMPACT PROPERTIES
ISO 180	DETERMINATION OF IZOD IMPACT STRENGTH
ISO 3451-1	DETERMINATION OF ASH
ISO 527-2	DETERMINATION OF TENSILE PROPERTIES
ISO 75-2	DETERMINATION OF TEMPERATURE OF DEFLECTION UNDER LOAD

Certification renewal: 05/2025

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HASETRI	India	Kankroli	58
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Reference	Title
ASTM D 7284	POLYMER FUNCTIONAL GROUP ANALYSIS METHOD
D41 1733	PLASTIC TUBES RESISTANCE TO CRACKING UNDER COMPRESSION IN CONTACT WITH SALINE SOLUTIONS
D45 1315	PIPES ELASTOMERS OR PLASTOMERS ADHESION BETWEEN ELEMENTS THAT CONSTITUTE A PIPE
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D47 1924	PLASTICS AND RUBBERS OCCASSIONAL CONTACT WITH AUTOMOBILE FLUIDS
D47 5270	RESISTANCE TO COMPLEX FLUIDS
D55 1017	LIQUID PREPARATION DETERMINATION OF THE CONVENTIONAL DRY EXTRACT
D55 1209	PASTE PRODUCTS VISCOUS PREPARATIONS CONVENTIONAL DRY EXTRACT
ISO 11357-3	DETERMINATION OF TEMPERATURE AND ENTHALPY OF MELTING AND CRYSTALLIZATION (DSC)
ISO 1407	DETERMINATION OF SOLVENT EXTRACT
ISO 1431-1	AGEING IN OZONIZED AIR
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
ISO 188	ACCELERATED AGEING AND HEAT RESISTANCE TESTS
ISO 22768	DETERMINATION OF THE GLASS TRANSITION TEMPERATURE BY DSC
ISO 2285	DETERMINATION OF TENSION SET UNDER CONSTANT ELONGATION
ISO 2781	DETERMINATION OF DENSITY
ISO 34-1	DETERMINATION OF TEAR STRENGTH. TROUSER, ANGLE AND CRESCENT TEST PIECE
ISO 34-2	DETERMINATION OF TEAR STRENGTH. DELFT TEST PIECE
ISO 3451-1	DETERMINATION OF ASH
ISO 37	DETERMINATION OF TENSILE STRESS-STRAIN PROPERTIES
ISO 4649	DETERMINATION OF ABRASION RESISTANCE USING A ROTATING CYLINDRICAL DRUM
ISO 48-2	DETERMINATION OF HARDNESS (BETWEEN 10 IRHD AND 100 IRHD)
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
ISO 815-1	DETERMINATION OF COMPRESSION SET. AT AMBIENT OR ELEVATED TEMPERATURES
ISO 9924-3	DETERMINATION OF THE CENTESIMALE COMPOSITION BY THERMOGRAVIMETRY, AFTER EXTRACTION

Certification renewal: 05/2025

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Reference	Title
D25 1272	SEMI-CRISTALLINE MATERIALS COVENTIONAL FUSION TEMPERATURE (HEAT ANALYSIS)
ISO 1133-1	DETERMINATION OF THE MELT MASS-FLOW RATE (MFR) AND MELT VOLUME-FLOW RATE (MVR) OF THERMOPLASTICS
ISO 1183	METHODS FOR DETERMINING THE DENSITY OF NONCELLULAR PLASTICS
ISO 178	DETERMINATION OF FLEXURAL PROPERTIES
ISO 179-1	DETERMINATION OF CHARPY IMPACT PROPERTIES
ISO 180	DETERMINATION OF IZOD IMPACT STRENGTH
ISO 527-2	DETERMINATION OF TENSILE PROPERTIES
ISO 75-2	DETERMINATION OF TEMPERATURE OF DEFLECTION UNDER LOAD
ISO 9924-3	DETERMINATION OF THE CENTESIMALE COMPOSITION BY THERMOGRAVIMETRY, AFTER EXTRACTION

Certification renewal: 09/2023

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Reference	Title
D45 1315	PIPES ELASTOMERS OR PLASTOMERS ADHESION BETWEEN ELEMENTS THAT CONSTITUTE A PIPE
D47 1924	PLASTICS AND RUBBERS OCCASSIONAL CONTACT WITH AUTOMOBILE FLUIDS
D47 5270	RESISTANCE TO COMPLEX FLUIDS
D55 1209	PASTE PRODUCTS VISCOUS PREPARATIONS CONVENTIONAL DRY EXTRACT
ISO 11357-3	DETERMINATION OF TEMPERATURE AND ENTHALPY OF MELTING AND CRYSTALLIZATION (DSC)
ISO 1407	DETERMINATION OF SOLVENT EXTRACT
ISO 1431-1	AGEING IN OZONIZED AIR
ISO 1432	DETERMINATION OF LOW-TEMPERATURE STIFFENING (GEHMAN TEST)
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
ISO 188	ACCELERATED AGEING AND HEAT RESISTANCE TESTS
ISO 22768	DETERMINATION OF THE GLASS TRANSITION TEMPERATURE BY DSC
ISO 2781	DETERMINATION OF DENSITY
ISO 34-2	DETERMINATION OF TEAR STRENGTH. DELFT TEST PIECE
ISO 3451-1	DETERMINATION OF ASH
ISO 37	DETERMINATION OF TENSILE STRESS-STRAIN PROPERTIES
ISO 48-2	DETERMINATION OF HARDNESS (BETWEEN 10 IRHD AND 100 IRHD)
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
ISO 815-1	DETERMINATION OF COMPRESSION SET. AT AMBIENT OR ELEVATED TEMPERATURES
ISO 9924-3	DETERMINATION OF THE CENTESIMALE COMPOSITION BY THERMOGRAVIMETRY, AFTER EXTRACTION
RNES-B-00071	FLAMMABILITY FOR AUTOMOTIVE MATERIALS

Certification renewal: 05/2025

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Reference	Title
ISO 1133-1	DETERMINATION OF THE MELT MASS-FLOW RATE (MFR) AND MELT VOLUME-FLOW RATE (MVR) OF THERMOPLASTICS
ISO 1183	METHODS FOR DETERMINING THE DENSITY OF NONCELLULAR PLASTICS
ISO 178	DETERMINATION OF FLEXURAL PROPERTIES
ISO 179-1	DETERMINATION OF CHARPY IMPACT PROPERTIES
ISO 180	DETERMINATION OF IZOD IMPACT STRENGTH
ISO 527-2	DETERMINATION OF TENSILE PROPERTIES

Certification renewal: 09/2023

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Reference	Title
D15 5083	OPAQUE COLOURED PRODUCTS COLOUR POINT(SPETROCOLORIMETRY)
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
D42 1235	PLASTIC OR RUBBER PARTS IMPACT BEHAVIOUR (MASS DROP METHOD)
D45 1837	PAINT COATINGS ON PLASTIC PARTS AND MASS STAINING OF COLORED MATERIALS BY AUTOMOTIVE FLUIDS
D47 1165	ACCELERATED AGEING - PRODUCT APPLIED FOR BONDING, SEALING, ANTI-GRITTING, DAMPING, ANTI-CORROSION AND PROTECTION FUNCTIONS
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D47 1309	MATERIALS AND PARTS OF AUTOMOTIVE EQUIPMENT AGEING ACCORDING TO GIVEN CLIMATIC CYCLE

Certification renewal : 09/2023

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Reference	Title
RNES-B-00070	FOGGING OF INTERIOR TRIM MATERIALS AND PASSENGER COMPARTMENT PARTS FOR AUTOMOBILES

Certification renewal : 11/2022

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Reference	Title
D21 3092	PAINTS AND RELATED PRODUCTS APPLIED ONTO PLASTIC MATERIAL - TEARING RESISTANCE MEASURED WITH SCLEROMETER
D21 3093	PAINTS AND RELATED PRODUCTS APPLIED TO RIGID PLASTIC MATERIAL PAINT COATING ADHESION "CROSS SCALPEL"
D25 1324	RESISTANCE DURING THERMAL CYCLES ELECTROLYTIC COATINGS ON PLASTIC PARTS
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
D42 1235	PLASTIC OR RUBBER PARTS IMPACT BEHAVIOUR (MASS DROP METHOD)
D45 1045	CELLULAR MATERIALS APPARENT DENSITY
D45 1837	PAINT COATINGS ON PLASTIC PARTS AND MASS STAINING OF COLORED MATERIALS BY AUTOMOTIVE FLUIDS
D47 1165	ACCELERATED AGEING - PRODUCT APPLIED FOR BONDING, SEALING, ANTI-GRITTING, DAMPING, ANTI-CORROSION AND PROTECTION FUNCTIONS
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D47 1309	MATERIALS AND PARTS OF AUTOMOTIVE EQUIPMENT AGEING ACCORDING TO GIVEN CLIMATIC CYCLE
D47 1924	PLASTICS AND RUBBERS OCCASSIONAL CONTACT WITH AUTOMOBILE FLUIDS
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
ISO 188	ACCELERATED AGEING AND HEAT RESISTANCE TESTS
ISO 2409	PAINT AND VARNISHES - CROSS-CUT TEST
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
ISO 868	DETERMINATION OF INDENTATION HARDNESS BY MEANS OF A DUROMETER (SHORE HARDNESS)
RNES-B-00108	GRID CUTTING ADHESION TEST

Certification renewal : 06/2022

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Reference	Title
31-00-806	PLASTIC PARTS INSERT PULL OUT STRENGTH
D11 1054	SUPPLENESS OF A PART BY IMPRESSION OF A HEMISPHERICAL PUNCH BEADS, PROTECTIVE STRIPS, ARMRESTS, VARIOUS TRIMMING
D11 1157	ADHESIVES - FLAT ANGLE PEELING
D11 1502	RESISTANCE TO CREEP DUE TO INDENTATION ARM RESTS - DASHBOARDS - MISCELLANEOUS TRIM MATERIALS
D11 1503	SUPPLENESS OF A PART BY INDENTATION OF A SEMI-CYLINDRICAL PUNCH PADS, PROTECTIVE BANDS, ARMRESTS, MISCELLANEOUS TRIMS
D14 1055	ORGANIC MATERIALS AND COATINGS WEAR DUE TO RUBBING
D15 1343	VISUAL COMPARISON OF COLORS IN LIGHT CHAMBER
D15 5083	OPAQUE COLOURED PRODUCTS COLOUR POINT (SPETROCOLORIMETRY)
D17 1736	PAINTS AND PLASTICS COLOUR VARIATION TEST USING COLORIMETER
D21 3092	PAINTS AND RELATED PRODUCTS APPLIED ONTO PLASTIC MATERIAL - TEARING RESISTANCE MEASURED WITH SCLEROMETER
D21 3093	PAINTS AND RELATED PRODUCTS APPLIED TO RIGID PLASTIC MATERIAL PAINT COATING ADHESION "CROSS SCALPEL"
D25 1324	RESISTANCE DURING THERMAL CYCLES ELECTROLYTIC COATINGS ON PLASTIC PARTS
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
D25 2018	DECORATIVE COATINGS RESISTANCE TO WASHING WITH HIGH PRESSURE CLEANER
D27 1465	PAINT COATINGS ACTION OF SOLID OR PASTE ORGANIC MATERIALS
D27 1740	COATINGS OF PAINT ACTION OF ORGANIC LIQUIDS
D41 1013	SHEET MATERIALS THICKNESS MEASUREMENT
D41 1015	TRIM MATERIALS - PEELING AT 180°
D41 1029	TEXTILES, COATED TEXTILES AND LEATHER TENSILE STRENGTH
D41 1048	FLEXIBLE AND SEMI-RIGID CELLULAR MATERIALS TEAR STRENGTH (SAMPLE : TROUSERS TYPE)
D41 1097	FLOOR COVERINGS - RESISTANCE TO PUNCHING
D41 1126	TEXTILES - PLATIC-COATED TEXTILES PLASTIC FOILS - CARPETS - LEATHERS TEARING
D41 1643	COMPOSITE MATERIAL BENDING

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Reference	Title
D42 1235	PLASTIC OR RUBBER PARTS IMPACT BEHAVIOUR (MASS DROP METHOD)
D42 1775	INTERIOR AND EXTERIOR PLASTIC PARTS RESISTANCE TO SCORING BY ABRASION
D42 2036	EXTERNAL PAINTED PARTS RESISTANCE TO SCORING DUE TO ABRASION
D44 1221	VELVET SURFACE MATERIALS RESISTANCE TO SCRAPING
D44 1900	PLASTICS - RESISTANCE TO MARKING (RESISTANCE TO SCORING THROUGH POLISHING)
D44 1997	TEXTILES - TENDENCY TO FRAY ON SENSIBLE AREA
D45 1014	TEXTILES - THREAD COUNT
D45 1045	CELLULAR MATERIALS APPARENT DENSITY
D45 1124	TEXTILES AND COATED TEXTILES ELONGATION UNDER LOW LOAD INSTANTANEOUS RESIDUAL DEFORMATION AFTER REMOVING THE LOAD
D45 1139	TRIM MATERIALS DIMENSIONAL VARIATIONS AND CHANGE IN APPEARANCE WHEN SUBJECTED TO HEAT
D45 1195	FELTS AND PADDINGS THICKNESS AND COMPRESSIBILITY
D45 1429	CELLULAR MATERIALS WATER ABSORPTION
D45 1564	TEXTILES: DIMENSIONAL VARIATIONS WHEN SUBJECTED TO HUMIDITY
D45 1573	RESISTANCE TO TEARING FLEXIBLE CELLULAR MATERIALS
D45 1817	ORGANIC MATERIALS AND COATINGS SOILING RESISTANCE
D45 1837	PAINT COATINGS ON PLASTIC PARTS AND MASS STAINING OF COLORED MATERIALS BY AUTOMOTIVE FLUIDS
D45 1992	TRIM MATERIALS - TILING EFFECT
D47 1005	TRIM MATERIALS STAINING WITH WATER OR OTHER
D47 1020	COLORFASTNESS TO WATER, SEA WATER AND PERSPIRATION
D47 1035	RUBBERS AND PLASTICS STAINING
D47 1165	ACCELERATED AGEING - PRODUCT APPLIED FOR BONDING, SEALING, ANTI-GRITTING, DAMPING, ANTI-CORROSION AND PROTECTION FUNCTIONS
D47 1199	CARDBOARD - WOOD - PLASTIC: MOTTILING VIA A TRIM PARTS CONSTITUENT MATERIALS
D47 1217	FIBROUS MATERIALS BEHAVIOR IN DAMP ATMOSPHERE RESISTANCE TO MICRO-ORGANISMS
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D47 1309	MATERIALS AND PARTS OF AUTOMOTIVE EQUIPMENT AGEING ACCORDING TO GIVEN CLIMATIC CYCLE
D47 1915	PLASTICS COLOUR FASTNESS TO FLUIDS DUE THE EFFECT OF LIGHT
D47 1924	PLASTICS AND RUBBERS OCCASSIONAL CONTACT WITH AUTOMOBILE FLUIDS
D51 1485	ADHESIVE PEELING AT A RIGHT ANGLE

**SGS
(Manesar, India)**

Reference	Title
D51 3022	INTERIOR TRIM MATERIALS RIGHT-ANGLE PEELING
ISO 1183	METHODS FOR DETERMINING THE DENSITY OF NONCELLULAR PLASTICS
ISO 1431-1	AGEING IN OZONIZED AIR
ISO 178	DETERMINATION OF FLEXURAL PROPERTIES
ISO 179-1	DETERMINATION OF CHARPY IMPACT PROPERTIES
ISO 180	DETERMINATION OF IZOD IMPACT STRENGTH
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
ISO 188	ACCELERATED AGEING AND HEAT RESISTANCE TESTS
ISO 2285	DETERMINATION OF TENSION SET UNDER CONSTANT ELONGATION
ISO 2409	PAINT AND VARNISHES - CROSS-CUT TEST
ISO 2781	DETERMINATION OF DENSITY
ISO 37	DETERMINATION OF TENSILE STRESS-STRAIN PROPERTIES
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
ISO 527-2	DETERMINATION OF TENSILE PROPERTIES
ISO 75-2	DETERMINATION OF TEMPERATURE OF DEFLECTION UNDER LOAD
ISO 815-1	DETERMINATION OF COMPRESSION SET. AT AMBIENT OR ELEVATED TEMPERATURES
ISO 815-2	DETERMINATION OF COMPRESSION SET. AT LOW TEMPERATURES
ISO 868	DETERMINATION OF INDENTATION HARDNESS BY MEANS OF A DUROMETER (SHORE HARDNESS)
RNES-B-00046	RESISTANCE TO WATER IMMERSION
RNES-B-00070	FOGGING OF INTERIOR TRIM MATERIALS AND PASSENGER COMPARTMENT PARTS FOR AUTOMOBILES
RNES-B-00071	FLAMMABILITY FOR AUTOMOTIVE MATERIALS
RNES-B-00090 Method 2	ASPECT MODIFICATION DUE TO FRICTION (CROCKMETER) FOR INTERIOR AND EXTERIOR PARTS
RNES-B-00108	GRID CUTTING ADHESION TEST
RNES-B-20083	WEIGHT PER UNIT AREA MEASURING METHOD FOR AUTOMOTIVE CARPET
D51 3022	INTERIOR TRIM MATERIALS RIGHT-ANGLE PEELING
ISO 1183	METHODS FOR DETERMINING THE DENSITY OF NONCELLULAR PLASTICS
ISO 1431-1	AGEING IN OZONIZED AIR
ISO 178	DETERMINATION OF FLEXURAL PROPERTIES

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Reference	Title
ISO 179-1	DETERMINATION OF CHARPY IMPACT PROPERTIES
ISO 180	DETERMINATION OF IZOD IMPACT STRENGTH
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
ISO 188	ACCELERATED AGEING AND HEAT RESISTANCE TESTS
ISO 2285	DETERMINATION OF TENSION SET UNDER CONSTANT ELONGATION
ISO 2409	PAINT AND VARNISHES - CROSS-CUT TEST
ISO 2781	DETERMINATION OF DENSITY
ISO 37	DETERMINATION OF TENSILE STRESS-STRAIN PROPERTIES
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
ISO 527-2	DETERMINATION OF TENSILE PROPERTIES
ISO 75-2	DETERMINATION OF TEMPERATURE OF DEFLECTION UNDER LOAD
ISO 815-1	DETERMINATION OF COMPRESSION SET. AT AMBIENT OR ELEVATED TEMPERATURES
ISO 815-2	DETERMINATION OF COMPRESSION SET. AT LOW TEMPERATURES
ISO 868	DETERMINATION OF INDENTATION HARDNESS BY MEANS OF A DUROMETER (SHORE HARDNESS)
RNES-B-00046	RESISTANCE TO WATER IMMERSION
RNES-B-00070	FOGGING OF INTERIOR TRIM MATERIALS AND PASSENGER COMPARTMENT PARTS FOR AUTOMOBILES
RNES-B-00071	FLAMMABILITY FOR AUTOMOTIVE MATERIALS
RNES-B-00090 Method 2	ASPECT MODIFICATION DUE TO FRICTION (CROCKMETER) FOR INTERIOR AND EXTERIOR PARTS
RNES-B-00108	GRID CUTTING ADHESION TEST
RNES-B-20083	WEIGHT PER UNIT AREA MEASURING METHOD FOR AUTOMOTIVE CARPET

Certification renewal: 06/2022

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Reference	Title
D15 1343	VISUAL COMPARISON OF COLORS IN LIGHT CHAMBER
D15 5083	OPAQUE COLOURED PRODUCTS COLOUR POINT(SPECTROCOLORIMETRY)
D17 1736	PAINTS AND PLASTICS COLOUR VARIATION TEST USING COLORIMETER
D21 3093	PAINTS AND RELATED PRODUCTS APPLIED TO RIGID PLASTIC MATERIAL PAINT COATING ADHESION "CROSS SCALPEL"
D23 1327	RESISTANCE TO WATER IMMERSION
D25 1324	RESISTANCE DURING THERMAL CYCLES ELECTROLYTIC COATINGS ON PLASTIC PARTS
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
D25 2018	DECORATIVE COATINGS RESISTANCE TO WASHING WITH HIGH PRESSURE CLEANER
D42 1235	PLASTIC OR RUBBER PARTS IMPACT BEHAVIOUR (MASS DROP METHOD)
D45 1045	CELLULAR MATERIALS APPARENT DENSITY
D45 1139	TRIM MATERIALS DIMENSIONAL VARIATIONS AND CHANGE IN APPEARANCE WHEN SUBJECTED TO HEAT
D45 1429	CELLULAR MATERIALS WATER ABSORPTION
D45 1564	TEXTILES: DIMENSIONAL VARIATIONS WHEN SUBJECTED TO HUMIDITY
D45 1837	PAINT COATINGS ON PLASTIC PARTS AND MASS STAINING OF COLORED MATERIALS BY AUTOMOTIVE FLUIDS
D47 1005	TRIM MATERIALS STAINING WITH WATER OR OTHER
D47 1165	ACCELERATED AGEING - PRODUCT APPLIED FOR BONDING, SEALING, ANTI-GRITTING, DAMPING, ANTI-CORROSION AND PROTECTION FUNCTIONS
D47 1217	FIBROUS MATERIALS BEHAVIOR IN DAMP ATMOSPHERE RESISTANCE TO MICRO-ORGANISMS
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D47 1309	MATERIALS AND PARTS OF AUTOMOTIVE EQUIPMENT AGEING ACCORDING TO GIVEN CLIMATIC CYCLE
D47 1924	PLASTICS AND RUBBERS OCCASSIONAL CONTACT WITH AUTOMOBILE FLUIDS
ISO 1183	METHODS FOR DETERMINING THE DENSITY OF NONCELLULAR PLASTICS
ISO 179-1	DETERMINATION OF CHARPY IMPACT PROPERTIES
ISO 180	DETERMINATION OF IZOD IMPACT STRENGTH

**SGS
(Pune, India)**

Reference	Title
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
ISO 188	ACCELERATED AGEING AND HEAT RESISTANCE TESTS
ISO 2409	PAINT AND VARNISHES - CROSS-CUT TEST
ISO 2781	DETERMINATION OF DENSITY
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
ISO 868	DETERMINATION OF INDENTATION HARDNESS BY MEANS OF A DUROMETER (SHORE HARDNESS)
RNES-B-00046	RESISTANCE TO WATER IMMERSION
RNES-B-00069	METALLIC COATINGS - COULOMETRIC MEASUREMENT OF ELECTROPLATING THICKNESS - DECORATIVE PARTS APPLICATION
RNES-B-00070	FOGGING OF INTERIOR TRIM MATERIALS AND PASSENGER COMPARTMENT PARTS FOR AUTOMOBILES
RNES-B-00071	FLAMMABILITY FOR AUTOMOTIVE MATERIALS
RNES-B-00090 Method 2	ASPECT MODIFICATION DUE TO FRICTION (CROCKMETER) FOR INTERIOR AND EXTERIOR PARTS
RNES-B-00108	GRID CUTTING ADHESION TEST
RNES-B-20083	WEIGHT PER UNIT AREA MEASURING METHOD FOR AUTOMOTIVE CARPET

Certification renewal : 06/2022

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Reference	Title
D471234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D471309	MATERIALS AND PARTS OF AUTOMOTIVE EQUIPMENT AGEING ACCORDING TO GIVEN CLIMATIC CYCLE
RNES-B-20056	WHITENING SCRATCH RESISTANCE OF INTERIOR PLASTIC

Certification renewal : 02/2023

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Reference	Title
D111157	ADHESIVES - FLAT ANGLE PEELING
D251324	RESISTANCE DURING THERMAL CYCLES ELECTROLYTIC COATINGS ON PLASTIC PARTS
D411009	PLASTIC SHEETS - TRACTION
D455331	COMPOSITE TRIM MATERIALS TENDENCY OF GETTING FOLDED
D471234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D471924	PLASTICS AND RUBBERS OCCASSIONAL CONTACT WITH AUTOMOBILE FLUIDS
D511485	ADHESIVE PEELING AT A RIGHT ANGLE
D513022	INTERIOR TRIM MATERIALS RIGHT-ANGLE PEELING
RNES-B-00070	FOGGING OF INTERIOR TRIM MATERIALS AND PASSENGER COMPARTMENT PARTS FOR AUTOMOBILES
RNES-B-00071	FLAMMABILITY FOR AUTOMOTIVE MATERIALS
RNES-B-00108	GRID CUTTING ADHESION TEST
RNES-G-00001	NEUTRAL SALT SPRAY TEST
RNES-G-00002	COPPER-ACCELERATED ACETIC ACID SALT SPRAY (CASS-TEST)

Certification renewal in progress

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Reference	Title
D111054	SUPPLENESS OF A PART BY IMPRESSION OF A HEMISPHERICAL PUNCH BEADS, PROTECTIVE STRIPS, ARMRESTS, VARIOUS TRIMMING
D251272	SEMI-CRISTALLINE MATERIALS COVENTIONAL FUSION TEMPERATURE (HEAT ANALYSIS)
D411048	FLEXIBLE AND SEMI-RIGID CELLULAR MATERIALS TEAR STRENGTH (SAMPLE : TROUSERS TYPE)
D411299	SEALING PROFILES IN RUBBER & SIMILAR MATERIALS STATIC COMPRESSIBILITY
D411300	SEALING PROFILES IN RUBBER & SIMILAR MATERIALS RESIDUAL DEFORMATION AFTER COMPRESSION WITH CONSTANT DEFORMATION
D451045	CELLULAR MATERIALS APPARENT DENSITY
D451046	SOFT HONEYCOMBED TRIMMING MATERIALS RESIDUAL DEFORMATION AFTER COMPRESSION WITH CONSTANT THICKNESS
D451837	PAINT COATINGS ON PLASTIC PARTS AND MASS STAINING OF COLORED MATERIALS BY AUTOMOTIVE FLUIDS
D471005	TRIM MATERIALS STAINING WITH WATER OR OTHER
D471035	RUBBERS AND PLASTICS STAINING
D471165	ACCELERATED AGEING - PRODUCT APPLIED FOR BONDING, SEALING, ANTI-GRITTING, DAMPING, ANTI-CORROSION AND PROTECTION FUNCTIONS
D471309	MATERIALS AND PARTS OF AUTOMOTIVE EQUIPMENT AGEING ACCORDING TO GIVEN CLIMATIC CYCLE
D471924	PLASTICS AND RUBBERS OCCASSIONAL CONTACT WITH AUTOMOBILE FLUIDS
D511755	PAINTS AND RELATED PRODUCTS APPLIED TO RIGID MATERIAL COATING ADHESION BY BONDED STUD PULL-OFF TEST
D513022	INTERIOR TRIM MATERIALS RIGHT-ANGLE PEELING
ISO 1407	DETERMINATION OF SOLVENT EXTRACT
ISO 1431-1	AGEING IN OZONIZED AIR
ISO 1432	DETERMINATION OF LOW-TEMPERATURE STIFFENING (GEHMAN TEST)
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
ISO 188	ACCELERATED AGEING AND HEAT RESISTANCE TESTS
ISO 2285	DETERMINATION OF TENSION SET UNDER CONSTANT ELONGATION
ISO 2781	DETERMINATION OF DENSITY
ISO 37	DETERMINATION OF TENSILE STRESS-STRAIN PROPERTIES

**CTPC
(Casablanca, Morocco)**

Reference	Title
ISO 48-2	DETERMINATION OF HARDNESS (BETWEEN 10 IRHD AND 100 IRHD)
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
ISO 815-1	DETERMINATION OF COMPRESSION SET. AT AMBIENT OR ELEVATED TEMPERATURES
ISO 9924-3	DETERMINATION OF THE CENTESIMALE COMPOSITION BY THERMOGRAVIMETRY, AFTER EXTRACTION
RNES-B-00046	RESISTANCE TO WATER IMMERSION
RNES-B-00071	FLAMMABILITY FOR AUTOMOTIVE MATERIALS
RNES-B-00108	GRID CUTTING ADHESION TEST

Certification renewal in progress

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Reference	Title
D11 1054	SUPPLENESS OF A PART BY IMPRESSION OF A HEMISPHERICAL PUNCH BEADS, PROTECTIVE STRIPS, ARMRESTS, VARIOUS TRIMMING
D11 1503	SUPPLENESS OF A PART BY INDENTATION OF A SEMI-CYLINDRICAL PUNCH PADS, PROTECTIVE BANDS, ARMRESTS, MISCELLANEOUS TRIMS
D14 1055	ORGANIC MATERIALS AND COATINGS WEAR DUE TO RUBBING
D15 1343	VISUAL COMPARISON OF COLORS IN LIGHT CHAMBER
D15 5083	OPAQUE COLOURED PRODUCTS COLOUR POINT (SPETROCOLORIMETRY)
D17 2023	PAINTED SAMPLES COLOUR DIFFERENCE EVALUATION WITH MULTIPLE ANGLE SPECTROPHOTOMETRY
D21 3092	PAINTS AND RELATED PRODUCTS APPLIED ONTO PLASTIC MATERIAL - TEARING RESISTANCE MEASURED WITH SCLEROMETER
D21 3093	PAINTS AND RELATED PRODUCTS APPLIED TO RIGID PLASTIC MATERIAL PAINT COATING ADHESION "CROSS SCALPEL"
D24 3098	PLASTIC AND RUBBER COVERING RESISTANCE TO ABRASION
D24 3159	PAINT TOPCOATS DRY SCRATCH RESISTANCE BY CROCKMETER TEST
D25 1324	RESISTANCE DURING THERMAL CYCLES ELECTROLYTIC COATINGS ON PLASTIC PARTS
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
D27 1465	PAINT COATINGS ACTION OF SOLID OR PASTE ORGANIC MATERIALS
D27 1740	COATINGS OF PAINT ACTION OF ORGANIC LIQUIDS
D41 1015	TRIM MATERIALS - PEELING AT 180°
D41 1029	TEXTILES, COATED TEXTILES AND LEATHER TENSILE STRENGTH
D41 1097	FLOOR COVERINGS - RESISTANCE TO PUNCHING
D41 1226	TEXTILES - PLATIC-COATED TEXTILES PLASTIC FOILS - CARPETS - LEATHERS TEARING
D42 1235	PLASTIC OR RUBBER PARTS IMPACT BEHAVIOUR (MASS DROP METHOD)
D44 1221	VELVET SURFACE MATERIALS RESISTANCE TO SCRAPING
D44 1900	PLASTICS - RESISTANCE TO MARKING (RESISTANCE TO SCORING THROUGH POLISHING)
D44 3150	PLASTIQUES RÉSISTANCE AU MARQUAGE (RESISTANCE A LA RAYURE PAR BRILLANTAGE)
D45 1012	SHEET MATERIALS WEIGHT PER UNIT AREA
D45 1197	FELTS - PADDINGS SEPARATION
D45 1817	ORGANIC MATERIALS AND COATINGS SOILING RESISTANCE
D45 1837	PAINT COATINGS ON PLASTIC PARTS AND MASS STAINING OF COLORED MATERIALS BY AUTOMOTIVE FLUIDS

**POSITRONE
(İzmit, Turkey)**

Reference	Title
D45 1837	PAINT COATINGS ON PLASTIC PARTS AND MASS STAINING OF COLORED MATERIALS BY AUTOMOTIVE FLUIDS
D45 3130	COATED OR UNCOATED PLASTICS FOR DASHBOARDS AND DOOR PANELS - CLEANABILITY
D45 3131	MATERIAUX PLASTIQUE RESISTANCE A UNE AMBIANCE PARFUMEE
D47 1005	TRIM MATERIALS STAINING WITH WATER OR OTHER
D47 1020	COLORFASTNESS TO WATER, SEA WATER AND PERSPIRATION
D47 1035	RUBBERS AND PLASTICS STAINING
D47 1165	ACCELERATED AGEING - PRODUCT APPLIED FOR BONDING, SEALING, ANTI-GRITTING, DAMPING, ANTI-CORROSION AND PROTECTION FUNCTIONS
D47 1199	CARDBOARD - WOOD - PLASTIC: MOTTILING VIA A TRIM PARTS CONSTITUENT MATERIALS
D47 1217	FIBROUS MATERIALS BEHAVIOR IN DAMP ATMOSPHERE RESISTANCE TO MICRO-ORGANISMS
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D47 1309	MATERIALS AND PARTS OF AUTOMOTIVE EQUIPMENT AGEING ACCORDING TO GIVEN CLIMATIC CYCLE
D47 1850	COATING PLASTIC SHEET - THERMAL AGEING
D47 1915	PLASTICS COLOUR FASTNESS TO FLUIDS DUE TO THE EFFECT OF LIGHT
D47 1924	PLASTICS AND RUBBERS OCCASSIONAL CONTACT WITH AUTOMOBILE FLUIDS
D51 1485	ADHESIVE PEELING AT A RIGHT ANGLE
D51 3022	INTERIOR TRIM MATERIALS RIGHT-ANGLE PEELING
ISO 1183	METHODS FOR DETERMINING THE DENSITY OF NONCELLULAR PLASTICS
ISO 178	DETERMINATION OF FLEXURAL PROPERTIES
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
ISO 188	ACCELERATED AGEING AND HEAT RESISTANCE TESTS
ISO 2808	PAINTS AND VARNISHES - DETERMINATION OF FILM THICKNESS
ISO 34-1	DETERMINATION OF TEAR STRENGTH. TROUSER, ANGLE AND CRESCENT TEST PIECE
ISO 3451-1	DETERMINATION OF ASH
ISO 37	DETERMINATION OF TENSILE STRESS-STRAIN PROPERTIES
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
ISO 815-1	DETERMINATION OF COMPRESSION SET. AT AMBIENT OR ELEVATED TEMPERATURES
RNES-B-00019	DECORATIVE PLATED PARTS - CALCIUM CHLORIDE MUD TEST (RUSSIAN MUD TEST)
RNES-B-00070	FOGGING OF INTERIOR TRIM MATERIALS AND PASSENGER COMPARTMENT PARTS FOR AUTOMOBILES

**POSITRONE
(İzmit, Turkey)**

Reference	Title
RNES-B-00090 Method 2	ASPECT MODIFICATION DUE TO FRICTION (CROCKMETER) FOR INTERIOR AND EXTERIOR PARTS
RNES-B-00108	GRID CUTTING ADHESION TEST
RNES-B-20073	HANDLING SCRATCH FOR BMPPR MATERIALS

Certification renewal: 01/2025

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Reference	Title
D11 1157	ADHESIVES - FLAT ANGLE PEELING
D24 1483	PROTECTION PROFILE - HOOKING AND UNHOOKING
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
D41 1003	FLEXIBLE ALVEOLATE MATERIALS FOR TRIMMING COMPRESSIVE STRENGTH
D41 1009	PLASTIC SHEETS - TRACTION
D41 1015	TRIM MATERIALS - PEELING AT 180°
D41 1126	TEXTILES - PLATIC-COATED TEXTILES PLASTIC FOILS - CARPETS - LEATHERS TEARING
D41 1299	SEALING PROFILES IN RUBBER & SIMILAR MATERIALS STATIC COMPRESSIBILITY
D41 1643	COMPOSITE MATERIAL BENDING
D42 1235	PLASTIC OR RUBBER PARTS IMPACT BEHAVIOUR (MASS DROP METHOD)
D42 1775	INTERIOR AND EXTERIOR PLASTIC PARTS RESISTANCE TO SCORING BY ABRASION
D45 1012	SHEET MATERIALS WEIGHT PER UNIT AREA
D45 1197	FELTS - PADDINGS SEPARATION
D47 1165	ACCELERATED AGEING - PRODUCT APPLIED FOR BONDING, SEALING, ANTI-GRITTING, DAMPING, ANTI-CORROSION AND PROTECTION FUNCTIONS
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D47 1309	MATERIALS AND PARTS OF AUTOMOTIVE EQUIPMENT AGEING ACCORDING TO GIVEN CLIMATIC CYCLE
D47 1979	RUBBERS - RESISTANCE TO DAMP HEAT
D51 1485	ADHESIVE PEELING AT A RIGHT ANGLE
D51 3022	INTERIOR TRIM MATERIALS RIGHT-ANGLE PEELING
ISO 37	DETERMINATION OF TENSILE STRESS-STRAIN PROPERTIES
RNES-B-00071	FLAMMABILITY FOR AUTOMOTIVE MATERIALS
RNES-B-00090 Method 2	ASPECT MODIFICATION DUE TO FRICTION (CROCKMETER) FOR INTERIOR AND EXTERIOR PARTS
RNES-B-00102	PAINTS - STONECHIPPING RESISTANCE
RNES-B-20083	WEIGHT PER UNIT AREA MEASURING METHOD FOR AUTOMOTIVE CARPET

Certification renewal : 12/2022

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Reference	Title
ISO 1133-1	DETERMINATION OF THE MELT MASS-FLOW RATE (MFR) AND MELT VOLUME-FLOW RATE (MVR) OF THERMOPLASTICS
ISO 1183	METHODS FOR DETERMINING THE DENSITY OF NONCELLULAR PLASTICS
ISO 178	DETERMINATION OF FLEXURAL PROPERTIES
ISO 179-1	DETERMINATION OF CHARPY IMPACT PROPERTIES
ISO 3451-1	DETERMINATION OF ASH

Certification renewal : 12/2022

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Reference	Title
D47 5270	RESISTANCE TO COMPLEX FLUIDS
ISO 1407	DETERMINATION OF SOLVENT EXTRACT
ISO 1431-1	AGEING IN OZONIZED AIR
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
ISO 188	ACCELERATED AGEING AND HEAT RESISTANCE TESTS
ISO 22768	DETERMINATION OF THE GLASS TRANSITION TEMPERATURE BY DSC
ISO 2285	DETERMINATION OF TENSION SET UNDER CONSTANT ELONGATION
ISO 2781	DETERMINATION OF DENSITY
ISO 34-1	DETERMINATION OF TEAR STRENGTH. TROUSER, ANGLE AND CRESCENT TEST PIECE
ISO 34-2	DETERMINATION OF TEAR STRENGTH. DELFT TEST PIECE
ISO 37	DETERMINATION OF TENSILE STRESS-STRAIN PROPERTIES
ISO 4649	DETERMINATION OF ABRASION RESISTANCE USING A ROTATING CYLINDRICAL DRUM
ISO 48-2	DETERMINATION OF HARDNESS (BETWEEN 10 IRHD AND 100 IRHD)
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
ISO 812	DETERMINATION OF LOW-TEMPERATURE BRITTLINESS
ISO 815-1	DETERMINATION OF COMPRESSION SET. AT AMBIENT OR ELEVATED TEMPERATURES
ISO 9924-3	DETERMINATION OF THE CENTESIMALE COMPOSITION BY THERMOGRAVIMETRY, AFTER EXTRACTION

Certification renewal : 11/2022

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Reference	Title
D45 1802	EXTERNAL HUB CAPS MADE OF PLASTIC FITTED TO THE BODY INSTALLATION FORCE AND ASSEMBLING RESISTANCE
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN

Certification renewal: 11/2023

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Reference	Title
D41 1126	TEXTILES - PLATIC-COATED TEXTILES PLASTIC FOILS - CARPETS - LEATHERS TEARING
D45 1012	SHEET MATERIALS WEIGHT PER UNIT AREA
D45 1315	PIPES ELASTOMERS OR PLASTOMERS ADHESION BETWEEN ELEMENTS THAT CONSTITUTE A PIPE
D47 1217	FIBROUS MATERIALS BEHAVIOR IN DAMP ATMOSPHERE RESISTANCE TO MICRO-ORGANISMS
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D47 1850	COATING PLASTIC SHEET THERMAL AGEING
ISO 1133-1	DETERMINATION OF THE MELT MASS-FLOW RATE (MFR) AND MELT VOLUME-FLOW RATE (MVR) OF THERMOPLASTICS
ISO 1183	METHODS FOR DETERMINING THE DENSITY OF NONCELLULAR PLASTICS
ISO 1817	DETERMINATION OF THE EFFECT OF LIQUIDS
ISO 3451-1	DETERMINATION OF ASH
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
ISO 815	DETERMINATION OF COMPRESSION SET
RNES-B-20083	WEIGHT PER UNIT AREA MEASURING METHOD FOR AUTOMOTIVE CARPET

Certification renewal : 12/2022

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Reference	Title
D11 1054	SUPPLENESS OF A PART BY IMPRESSION OF A HEMISPHERICAL PUNCH BEADS, PROTECTIVE STRIPS, ARMRESTS, VARIOUS TRIMMING
D11 1157	ADHESIVES – FLAT ANGLE PEELING
D11 1503	SUPPLENESS OF A PART BY INDENTATION OF A SEMI-CYLINDRICAL PUNCH PADS, PROTECTIVE BANDS, ARMRESTS, MISCELLANEOUS TRIMS
D15 1343	VISUAL COMPARISON OF COLORS IN LIGHT CHAMBER
D17 1736	PAINTS AND PLASTICS COLOUR VARIATION TEST USING COLORIMETER
D21 1243	LEATHER RESISTANCE OF THE COATING TO ELONGATION
D23 1327	RESISTANCE TO WATER IMMERSION
D24 1724	RESISTANCE TO WEAR OF COATING ON RUBBER PARTS
D25 1413	PAINT COATINGS, PLASTIC AND RUBBERS GLOSS MEASUREMENT
D41 1009	PLASTIC SHEETS – TRACTION
D41 1015	TRIM MATERIALS - PEELING AT 180°
D41 1029	TEXTILES, COATED TEXTILES AND LEATHER TENSILE STRENGTH
D41 1065	TEXTILES, PLASTIC-COATED TEXTILES TENSILE RESISTANCE AFTER THREADLESS STITCHING
D41 1097	FLOOR COVERINGS - RESISTANCE TO PUNCHING
D41 1126	TEXTILES – PLATIC-COATED TEXTILES PLASTIC FOILS - CARPETS - LEATHERS TEARING
D41 1142	THREADS, STRINGS STRENGTH AND ELONGATION AT RUPTURE
D41 1337	PIPINGS – TENSILE STRENGTH AFTER STITCHING
D41 1588	TRIM MATERIALS – TENSILE STRENGTH OF SEW LINES
D41 1589	TEXTILES, PLASTIC COATED TEXTILES (TEP), LEATHERS, COMPOSITES TEAR STRENGTH OF SEAMS
D41 1634	LEATHERS -TEXTILES -VELVET CARPETS - PRINTED MATERIALS COATING ADHESION
D41 1643	COMPOSITE MATERIAL BENDING
D42 1235	PLASTIC OR RUBBER PARTS IMPACT BEHAVIOUR (MASS DROP METHOD)
D42 1775	INTERIOR AND EXTERIOR PLASTIC PARTS RESISTANCE TO SCORING BY ABRASION
D44 1221	VELVET SURFACE MATERIALS RESISTANCE TO SCRAPING
D44 1694	TEXTILES CLAW TEST

**M&G
(Bogota, Colombia)**

Reference	Title
D44 1900	PLASTICS - RESISTANCE TO MARKING (RESISTANCE TO SCORING THROUGH POLISHING)
D44 1997	TEXTILES - TENDENCY TO FRAY ON SENSIBLE AREA
D45 1124	TEXTILES AND COATED TEXTILES ELONGATION UNDER LOW LOAD INSTANTANEOUS RESIDUAL DEFORMATION AFTER REMOVING THE LOAD
D45 1139	TRIM MATERIALS DIMENSIONAL VARIATIONS AND CHANGE IN APPEARANCE WHEN SUBJECTED TO HEAT
D45 1227	SEAT BELT WIDTH
D45 1228	MATERIALS IN THE FORM OF STRIPS, WEBS AND FORMED SECTIONS MASS PER METER
D45 1596	FABRICS, RAISED KNITTED FABRICS, AND PILELESS VELVETS - VELVET CRUSHING
D45 1837	PAINT COATINGS ON PLASTIC PARTS AND MASS STAINING OF COLORED MATERIALS BY AUTOMOTIVE FLUIDS
D45 1907	THERMOPLASTICS WINDOW-WASHING FLUID TANKS LOOP TEST
D45 5331	COMPOSITE TRIM MATERIALS TENDENCY OF GETTING FOLDED
D47 1020	COLORFASTNESS TO WATER, SEA WATER AND PERSPIRATION
D47 1165	ACCELERATED AGEING - PRODUCT APPLIED FOR BONDING, SEALING, ANTI-GRITTING, DAMPING, ANTI-CORROSION AND PROTECTION FUNCTIONS
D47 1234	PARTS INCLUDING PLASTIC COMPONENTS HEAT BEHAVIOR IN NON RADIATING DRY OVEN
D47 1309	MATERIALS AND PARTS OF AUTOMOTIVE EQUIPMENT AGEING ACCORDING TO GIVEN CLIMATIC CYCLE
D47 1924	PLASTICS AND RUBBERS OCCASSIONAL CONTACT WITH AUTOMOBILE FLUIDS
D51 1485	ADHESIVE PEELING AT A RIGHT ANGLE
D51 3022	INTERIOR TRIM MATERIALS RIGHT-ANGLE PEELING
ISO 188	ACCELERATED AGEING AND HEAT RESISTANCE TESTS
ISO 2409	PAINT AND VARNISHES - CROSS-CUT TEST
ISO 48-4	DETERMINATION OF INDENTATION HARDNESS. DUROMETER METHOD (SHORE HARDNESS)
RNES B 00047	RUBBER TENDENCY TO PRODUCE INSOLUBLE THROUGH CONTACT WITH COOLING FLUIDS
RNES-B-00071	FLAMMABILITY FOR AUTOMOTIVE MATERIALS
RNES-B-00090 Method 2	ASPECT MODIFICATION DUE TO FRICTION (CROCKMETER) FOR INTERIOR AND EXTERIOR PARTS

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