

STAR TEST LABORATORY
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Item No	Test Name	Test Instruction Number	Standard	Product Group	Sample Amount	Accreditation Status
1.	Determination of Mass Per Unit Length and Mass Per Unit Area	FDT.001	ISO 3801 Method 5	Textile Materials - Woven Fabrics	At least full width x 0.5 meters of fabric, For patterned or different textured fabrics, the fabric should be large enough to include at least 5 pattern/texture repeats. Preferably, it should be 1 meter full width.	Accredited
2.	Determination of Mass Per Unit Length and Mass Per Unit Area	FDT.002	TS 251 Section 6	Textile Materials - Woven Fabrics	At least full width x 0.5 meters of fabric, For patterned or different textured fabrics, the fabric should be large enough to include at least 5 pattern/texture repeats. Preferably, it should be 1 meter full width.	Accredited
3.	Determination of the Permeability of Fabrics to Air	FDT.003	ISO 9237	Textile Materials	At least full width x 0.5 meters fabric	Accredited
4.	Colour Fastness to Rubbing	FDT.004	ISO 105 X12	Textile Materials Accessories Yarn	At least 0.5 meters x 0.5 meters for solid color fabrics At least 1 meter x 1 meter for patterned/different textured fabrics, depending on the pattern/texture	Accredited
5.	Determination of Resistance to Water Penetration Hydrostatic Pressure Test	FDT.005	ISO 811	Textile Materials	At least full width x 1 meter fabric	Accredited
6.	Determination of pH of Aqueous Extract (Using pH Meter)	FDT.006	ISO 3071	Textile Materials Protective Clothing Protective Gloves	Approximately 10 grams if colored, it should contain all colors	Accredited
7.	Determination of pH (Using pH Meter)	FDT.007	ISO 4045	Leather	Approximately 20 grams	Accredited

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8.	Determination of Resistance to Surface Wetting (Spray Test)	FDT.008	ISO 4920	Textile Materials	For solid color fabrics, a sample of at least full width x 1 meter is required. For patterned fabrics/garments and additionally for fabrics/garments that require additional washing, this amount may be doubled, depending on the pattern.	Accredited
9.	Determination of Dimensional Change in Washing and Drying Preparation, Marking and Measuring of Fabric Specimens and Garments in Tests for Determination of Dimensional Change	FDT.009	ISO 5077/ISO 3759	Textile Materials	Woven/Knitted Fabric: At least full width x 1.5 meters	Accredited
10.	Measurement of Thermal and Water-vapour Resistance Under Steady-state Conditions	FDT.010	ISO 11092	Textile Materials	For Ret (Water Vapour Resistance): At least full width x 1.5 meters fabric For Rct (Thermal Resistance): At least full width x 1.5 meters fabric	Accredited
11.	Tensile Properties of Fabrics Determination of Maximum Force and Elongation at Maximum Force Strip Method	FDT.011	ISO 13934-1	Textile Materials	At least full width x 1 meter fabric If wet testing is requested, the sample amount will be doubled.	Accredited
12.	Bursting Properties of Fabrics Hydraulic Method for Determination of Bursting Strength and Bursting Distension	FDT.012	ISO 13938-1	Textile Materials	At least full width x 1 meter fabric If wet testing is requested, the sample amount will be doubled.	Accredited
13.	Tear Properties of Fabrics Determination of Tear Force of Trouser-shaped Test Specimens Single Tear Method (Electronic Calculation)	FDT.014	ISO 13937-2	Textile Materials	At least full width x 1 meter fabric	Accredited
14.	Domestic Washing and Drying Procedures	FDT.015	ISO 6330	Textile Materials	Garment or fabric The number of garments or fabric sizes will be determined in accordance with the relevant test method.	Accredited

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15.	Tear Properties of Fabrics Determination of Tear Force of Tongue-shaped Test Specimens Double Tear Test (Electronic Calculation)	FDT.016	ISO 13937-4	Textile Materials	At least full width x 1.5 meters of fabric	Accredited
16.	Seam Tensile Properties of Fabrics and Made-up Textile Articles Determination of Maximum Force to Seam Rupture Grab Method	FDT.017	ISO 13935-2	Textile Materials	At least full width x 1 meter fabric	Accredited
17.	Determination of the Abrasion Resistance of Fabrics by the Martindale Method Determination of Specimen Breakdown	FDT.020	ISO 12947-2	Textile Materials	At least full width x 0.5 meters of fabric (if it is a patterned or textured sample, a minimum of 3 pattern/texture repeats must be sent.)	Accredited
18.	Determination of Fabric Propensity to Surface Pilling, Fuzzing or Matting Modified Martindale Method	FDT.022	ISO 12945-2	Textile Materials	At least full width x 1 meter fabric (if it is a patterned or textured sample, a minimum of 3 pattern/texture repeats must be sent.)	Accredited
19.	Electrostatic properties - Part 3: Test method for measurement of charge decay	FDT.025	EN 1149-3	Textile Materials Protective Clothing	1.5 meters x 1 meter	Accredited
20.	Test method for convective heat resistance using a hot aircirculating oven	IDT.001	ISO 17493 Section 8.1	Textile Materials Protective Clothing	At least full width x 1.5 meters of fabric	Accredited
21.	Determination of behaviour of materials on impact of smallsplashes of molten metal	IDT.002	EN 348 ISO 9150	Textile Materials Protective Clothing	At least full width x 25 cm fabric	Accredited
22.	Evaluation of materials and material assemblies whenexposed to a source of radiant heat	IDT.003	ISO 6942:2022 ISO 6942:2004	Textile Materials Protective Clothing	Method A: At least full width x 0.5 meters of fabric Method B: At least full width x 0.5 meters of fabric	Accredited

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23.	Determination of heat transmission on exposure to flame	IDT.004	ISO 9151	Textile Materials Protective Clothing	At least full width x 0.5 meters fabric	Accredited
24.	Determination of contact heat transmission through protective clothing or constituent materials (With contact heat produced by heating cylinder method)	IDT.005	ISO 12127-1	Textile Materials Protective Clothing	At least full width x 25 cm fabric	Accredited
25.	Limited Flame Spread	IDT.006	ISO 15025	Textile Materials Protective Clothing	Procedure A (Surface ignition): At least 1 meter of fabric full width Procedure B (Bottom edge ignition): At least 1 meter of fabric full width	Accredited
26.	Nonwovens - Test methods - Part 1: Determination of mass per unit area	FDT.029	ISO 9073-1	Nonwoven Materials	At least full width x 0.5 meters of fabric	Accredited
27.	Nonwovens — Test methods Part 3: Determination of tensile strength and elongation at break using the strip method	FDT.018	ISO 9073-3	Nonwoven Materials	At least full width x 1 meter fabric If wet testing is requested, the sample amount will be doubled.	Accredited
28.	Nonwovens — Test methods Part 4: Determination of tear resistance by the trapezoid procedure	FDT.019	ISO 9073-4	Nonwoven Materials	At least full width x 1 meter fabric If wet testing is requested, the sample amount will be doubled.	Accredited
29.	Rubber - or Plastics-Coated Fabrics — Determination of Tensile Strength and Elongation at Break Using the Strip Method	FDT.030	ISO 1421 Method 1	Rubber / Plastics-Coated Fabrics	At least full width x 1 meter fabric If wet testing is requested, the sample amount will be doubled.	Not Accredited

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30.	Rubber- or Plastics-Coated Fabrics - Determination of Tear Resistance Using Constant Rate of Tear Methods	FDT.031	TS EN ISO 4674-1	Rubber / Plastics-Coated Fabrics	At least full width x 1.5 meters of fabric	Not Accredited
31.	Abrasion Resistance of Protective Clothing Material	FDT.028	TS EN 530	Textile Materials	At least full width x 0.5 meters of fabric (if it is a patterned or textured sample, a minimum of 3 pattern/texture repeats must be sent.)	Not Accredited
32.	Appearance Evaluation After Washing and Drying	FDT.027	In-House Method	Textile Materials	Finished product: 2 identical products, Woven/Knitted Fabric: At least 1.5 meters of fabric in full width.	Not Accredited

Note 1: If post-wash testing is also requested, the required sample quantities will be doubled.

Note 2: If the samples are multi-layered, the sample quantities specified in the table for each layer should be delivered to the laboratory.

Note 3: In cases where clothing is sent as a sample; the number of samples will be determined according to its size and type.

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