

Laboratory	Modern Testing Services (India) Private Limited., New Siva Towers, No. 229-230, Kumaran Road, Tirupur, Tamil Nadu		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Testing	Issue Date	26.11.2014
Certificate Number	T-2183	Valid Until	25.11.2016
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	TEXTILES MATERIALS			
1.	Garment Accessories (Like Zippers, Buttons)	Standard for Small Parts Regulations. Products Intended for Use By Children Under 3 Years Old Chocking hazard test (small part cylinder of 31.7 mm inner diameter)	ASTM F 963-11 Section 4.6 16 CFR 1501.4	Qualitative
		Sharp Point [Under a Force of 1 Pound	16 CFR Part 1500.48 (d)	Qualitative
		Sharp Edge [Under a Force of 1.35 Pound]	16 CFR Part 1500.49 (d)	Qualitative
		Tension Test	ASTM F 963-11 Section 8.9 16 CFR Part 1500.50, 16 CFR Part 1500.51, 16 CFR Part 1500.52 & 16 CFR Part 1500.53	Tension test 10 N to 200 N (1.0 kg to 20 kg)
		Torque Test	ASTM F 963-11 Section 8.8 16 CFR Part 1500.50, 16 CFR Part 1500.51, 16 CFR Part 1500.52 & 16 CFR Part 1500.53	Torque test: 2.5 kg/cm to 9.0 kg/cm

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2.	Textiles	Standard for Flammability of Clothing Textiles	CPSC 16 CFR 1610 ASTM D1230-10	1 s to 99 s
		Determination of Bursting Strength	ISO 13938-1/: 1999 ASTM D 3786/3786-13	5 psi to 200 psi
		Stretch and Recovery / Residual Extension	BS 4952:1992 (Straight Specimen) EN14704-1 Method A: 2005	Extension: 0 to 350 %
3.	Textile Fabrics	Determination of Width and Length	ISO 22198:2006 (E)	1 cm to 100 cm
4.	Fabric, Garment & Made Ups	Determination Of Textile fabric Propensity To Surface Fuzzing & Pilling(ICI Pilling Box)	BS EN ISO 12945–1: 2000	Qualitative (Grade 1 to 5)
		Determination of fabric propensity to surface fuzzing and to pilling -- Part 2: Modified Martindale method	BS EN ISO 12945–2: 2000	Qualitative (Grade 1 to 5)
		Standard Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Random Tumble Pilling Tester	ASTM D 3512: 2010	Qualitative (Grade 1 to 5)
		Standard Test Method for Pilling Resistance and Other Related Surface Changes of Textiles Fabrics (Martindale Pressure Tester Method)	ASTM D 4970/4970 M10	Qualitative (Grade 1 to 5)

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	Fabric, Garment & Made Ups	Determination of mass / unit area	ASTM D 3776 -2009 BSEN 12127-1998 ISO 3801: 1977	10 g/sq.mtr to 1000 g/sq.mtr
		Determination of Tearing Strength	ISO 13937-1: 2000 ASTM D 1424: 2007	0.2 N to 102.4 N (0.02 kg to 10.24 kg)
		Determination of Tearing Strength	ISO 13937-2: 2000 ASTM D 2261: 2010	20 N to 1000 N (2 kgf to 100 kgf)
		Determination of Tensile Strength (Grab Method)	ISO 13934-2: 2014 ASTM D 5034: 2009 (2013)	20 N to 1000 N (2 kgf to 100 kgf)
		Determination of Tensile Strength (Strip Method)	ISO 13934-1: 2013 ASTM D 5035: 2011	20 N to 1000 N (2 kgf to 100 kgf)
		Seam Properties	ISO 13935-1: 2014 ISO 13935-2: 2004 ASTM D 434: 1995 ASTM D 1683/1683M-11	20 N to 1000 N (2 kgf to 100 kgf)
		Determination of Abrasion and Pilling Resistance Martindale Abrasion Tester	ISO 12947: 1,2,3 & 4 1998 ASTM 4966: 2012	100 Revolutions to 30000 Revolutions 2 mg to 20 mg
5.	Fabrics	Threads per unit length of woven Fabrics	ASTM D: 3775-2012 ISO 7211-2: 1984 BS EN 1049-2: 1994	(25 to 200) per inch (10 per cm to 80 per cm)

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