

<b>Laboratory</b>	<b>Regional Laboratory, Textiles Committee, Block GN, Plot 38/3, Salt Lake City, Sector-V, Kolkata, West Bengal</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Mechanical Testing</b>	<b>Issue Date</b>	<b>13.01.2015</b>
<b>Certificate Number</b>	<b>T-1196</b>	<b>Valid Until</b>	<b>12.01.2017</b>
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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>I. TEXTILES &amp; RELATED PRODUCTS</b>				
<b>1.</b>	<b>Yarn</b>	Linear Density of Spun Yarns	IS 1315: 1977 (RA 2010)	5 tex to 590 tex (1 to 130 <sup>s</sup> Ne)
		Lea Strength	IS 1671: 1977 (RA 2014)	50 lbf to 1000 lbf
		Twist of Yarn	IS 832: (Part 1): 2011 IS 832: (Part 2) : 2011 ISO 2061: 2010	200 tpm to 2000 tpm (5 tpi to 50 tpi)
<b>2.</b>	<b>Yarn &amp; Cords</b>	Breaking Load and Elongation at Break of Single thread	IS 1670: 1991 RA 2012 ISO 2062: 2009	Strength: 1 N to 600 N Elongation: 1 % to 100%
<b>3.</b>	<b>Fabric/Rmg / Made Up</b>	Threads per Unit Length in woven fabrics	IS 196 : 1981 RA 2014 ASTM D 3775 - 12 ISO 7211-2 : 1984 BSEN 1049-2 : 1994	(40 to 1200) threads per dm (10 to 300) threads per inch)
		Twist of Yarn removed from fabric	IS 832: (Part 1): 2011 IS 832:( Part 2): 2011 ISO 7211-4 : 1984 ASTM D 1422 – 13	200 tpm to 2000 tpm (5 tpi to 50 tpi)
		Breaking Strength & Elongation at Break – Ravelled Stripe Method	IS 1969: Part I : 2009 ISO 13934: 1 : 2013	Load: 15 N to 8000 N Elongation: 1 % to 50%
		Linear Density of yarn removed from fabric	TC/LAB/TM 02 Ver. (02) : 2014	5 tex to 590 tex (1 to 130 <sup>s</sup> Ne)
		Mass per Unit Length and Mass per Unit Area	IS 1964: 2001 (RA 2010) ISO 3801: 1977 ASTM D 3776-09a (2013) BSEN 12127: 1998	(10 to 1000) g/m <sup>2</sup>

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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
4.	Fabric	Length and Width of Fabric	IS 1954: 1990 (RA 2012) ASTM D 3773-10(2014) ASTM D 3774 – 96(2012)	(1 to 300) cm
5.	Fabric/Rmg / Made Up	Pilling Resistance (Martindale)	ASTM D 4970 – 10e1	Qualitative Grade 1 to 5

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