

<b>Laboratory</b>	<b>Regional Laboratory, Textiles Committee, 21-J, KVR Complex, 80 Feet Road, Karur, Tamil Nadu</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Mechanical Testing</b>	<b>Issue Date</b>	<b>13.06.2014</b>
<b>Certificate Number</b>	<b>T-0415</b>	<b>Valid Until</b>	<b>12.06.2016</b>
<b>Last Amended on</b>	<b>-</b>	<b>Page</b>	<b>1 of 2</b>

<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.</b>	<b>TEXTILES &amp; RELATED PRODUCTS</b>			
	<b>Yarn</b>	Linear density	IS 1315:1977 Reaffirmed 2010 ISO 2060 : 1994 ASTM D: 1907/1907M-2012	5 – 590 tex 1-120 Ne
		Lea strength	IS 1671 1977 Reaffirmed 2004 ISO 6939 1988 ASTM D: 1578 1993 (Reapproved 2011)	100 N -4.5 KN (20 lb- 1012 lb)
		Strength & elongation single strand	IS 1670 : 1991 Reaffirmed 2007 ASTM D:2256/2256M-2010 ISO 2062-2009	Strength: 1N – 900 N (100g – 90000g) Elongation 2 - 250%
		Twist in yarn and direction of twist	IS: 832 (Part 1 ):2011 IS 832 (Part 2) : 2011 ASTM D:1422-99 Reapproved 2008 ASTM D 1423-02 Reapproved 2008 ISO 2061-2010	Twist turns per meter 100 – 2000 (2 – 60 per inch)
<b>2.</b>	<b>Fabrics, RMG &amp; Made ups</b>	Threads per unit length in woven fabrics	IS 1963:1981 Reaffirmed 2004 ASTM D: 3775:2008 ISO 7211-2: 1984	50 - 1000 per decimeter (12 – 250 per inch)

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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
3.	Fabrics, Garments & Made ups	Breaking load & elongation - Grab test	IS 1969 (Part 2) : 2010 ASTM D:5034: 2009 ISO 13934-2 : 1999	Load 100 N – 4.5 kN Elongation 2-50%
		Breaking load & elongation - Strip test	IS 1969 (Part 1) : 2009 ASTM D:5035: 2011 ISO 13934-1: 2013	Load 100 N – 4.5 kN Elongation 2-50%
		Linear density of thread removed from fabric	TC LAB TM 02 Ver.01 (2014)	5 to 590 tex ( 1 – 120s Ne)
		Mass per unit length / Mass per unit area	TC LAB TM 03 Ver.01 (2014) IS 1964 : 2001 Reaffirmed 2010 ISO 3801:1977 Method 5 ASTM D : 3776/3776M-09a Option C	10 – 1000 g/m <sup>2</sup>

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