

Laboratory	Regional Laboratory, Textiles Committee, FKCCI-WTC Building, K. G. Road, Bangalore, Karnataka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Testing	Issue Date	28.03.2014
Certificate Number	T-0432	Valid Until	27.03.2016
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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 & RELATED PRODUCTS				
1.	Yarn	Linear density	IS 1315:1977 (RA 2010) ASTM D 1907/ D1907M:2012 ISO 2060: 1994	5 to 600 tex (3 ^s to 150 ^s Ne)
		Lea Strength	IS 1671:1977 (RA 2008) ASTM D 1578-93 (RA 2011) ISO 6939: 1988	10 to 8000 Newtons (2 to 1,600 lbf)
		Twist	IS 832 Part 1 & 2:2011 ISO 2061-2010 ASTM D: 1422-99 ASTM D: 1423-02 (RA 2008)	80 to 2300 TPM (2 to 60 TPI)
		Unevenness of Textile Strand	ASTM D1425/ D1425M-09 ISO 16549:2004	1 to 25%
		Imperfections per unit length	ASTM D1425/ D1425M-09 TC/LAB-TM-01	Upto 2000 per 1000m
2.	Yarn & Chords	Breaking Load and elongation at break of single thread	IS 1670:1991(RA 2007) ISO: 2062-2009 ASTM D: 2256/2256M-10e1	Strength: 1 to 500 Newton Elongation: 1% to 100%

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3.	Fabric/RMG / Made up	Threads per unit length in woven fabrics	IS 1963:1981(RA 2008) ISO 7211-2 – 1984 ASTM D: 3775- 08	50 to 1000 per dm (13 to 250 per inch)
		Twist of yarn removed from fabric	IS 832 : 1985 (RA 2010) ISO 7211-4 –1984	80 – 2300 TPM (2-60 TPI)
		Breaking Load and elongation - Grab method	IS 1969:1985 (RA 2010) ASTM D: 5034-09 ISO 13934-2-1999	Strength: 100N to 9kN Elongation: 1% to 100%
		Breaking Load and elongation - Strip method	IS 1969:1985 (RA 2010) ASTM D: 5035-2011 ISO 13934-1-2013	Strength: 100N to 9kN Elongation: 1% to 100%
		Linear density of Thread removed from fabric	TC/ LAB TM-02	5 to 600 tex (3 ^s to 150 ^s Ne)
		Weight per square metre / Linear meter fabrics (Weighing Method)	TC/ LAB TM-03 ISO 3801-1977 IS 1964-2001(RA 2010) ASTM D: 3776/ D3776M09a	25 to 1500 GSM
		Tear Strength (Elmendorf)	ASTM D 1424-09 IS 6489:1993 (RA 2008) ISO 13937-1-2000	0.2 to 58.6 N (20g to 5860g)
		Abrasion Resistance (Martindale)	ASTM D: 4966 –12	Upto 99999 Weight up to 50% Grade 1 to 5

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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
		Pilling Resistance Atlas Random (Tumble Pilling)	ASTM D: 3512/D3512M-10 e1	Grade 1 to 5
		Resistance to seam Slippage Fixed Seam Opening Method Fixed Load Method	ISO 13936-1:2004 ISO 13936-2:2004	10N to 200N Upto 50mm

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