

<b>Laboratory</b>	<b>Testing Laboratory, Alok Industries Limited (Normal Width), 254 to 257 and 351 to 358, Balitha, Taluka Pardi, Vapi, Gujarat</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Mechanical Testing</b>	<b>Issue Date</b>	<b>18.03.2015</b>
<b>Certificate Number</b>	<b>T-1937</b>	<b>Valid Until</b>	<b>17.03.2017</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>TEXTILE MATERIALS</b>			
<b>1.</b>	<b>Woven &amp; Knitted Fabric</b>	Mass per unit length & mass per unit area	ISO 3801: 1977 ASTM D 3776: 2009a IS 1964: 2001 (RA 2006)	45 g to 450 g
		Width of textile fabrics	ASTM D 3774: 1996 (2012) IS 1954: 1990 (RA 2002) ISO 22198: 2006	38 cm to 230 cm
		Pilling resistance	IS 10971: 2011 ISO 12945-1: 2000 ISO 12945-2: 2000	Rating 1 to 5
		Pilling resistance	ASTM D 3512: 2010 (2014)	Rating 1 to 5
		Stretch, Growth & Recovery	ASTM D 3107: 2007 (2011) ASTM D 2594: 04 (2012)	1 % to 60 %
		Loop tension, Recovery Elongation test	ASTM D 4964: 96 (2012)	1 % to 60 %
<b>2.</b>	<b>Woven Fabric</b>	Warp count (End) & Filling Count (Picks) of Woven Fabric	ASTM D 3775: 2012	(20 to 240) Ends & Picks/cm (50 to 600) Ends & Picks/inch
		Woven fabric construction	ISO 7211/2: 1984 (Method A & B) IS 1963: 2004 (Method B)	(20 to 240) Ends & Picks/cm (50 to 600) Ends & Picks/inch
		Tensile properties of fabric - Strip / Grab method	BS EN ISO 13934-1: 2013 BS EN ISO 13934-2: 2014 IS 1969 (Part 1): 2009	Strength: 60 N to 2800 N Elongation: 1 % to 60 %

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	<b>Woven Fabric</b>	Breaking strength & Elongation (Grab method)	ASTM D 5034: 09 (2013)	60 N to 2800 N 1 % to 60 %
		Tear properties - Elmendorf Method	BS EN ISO 13937-1: 2000 ASTM D 1424: 2009 (2013) IS 6489: 2011	10 N to 250 N
		Tear properties - Single Tear method	BS EN ISO 13937-2: 2000	60 N to 205 N
		Slippage resistance of yarns at a seam - Fixed Seam Opening Method	BS EN ISO 13936-1: 2004 BS EN ISO 13936-2: 2004	60 N to 250 N
		Resistance to slippage of yarns using standard seam	ASTM D 434: 95 ASTM D 1683/D1683 M: 2011	60 N to 250 N
		Seam strength - Fixed Seam opening method	BS EN ISO 13935-1: 2014 BS EN ISO 13935-2: 2014	60 N to 250 N
		Seam strength	ASTMD 1683/D1683 M: 2011	60 N to 400 N
		Abrasion resistance (Martindale Method)	ISO 12947-2: 1998 ASTM D 4966: 2012	Upto 99999 cycles
<b>3.</b>	<b>Knitted Fabric</b>	Courses & Wales Per Inch	ASTM D 3887: 1996 (2008) (Clause 12)	(20 to 254)/inch

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