

<b>Laboratory</b>	<b>Q.C. Laboratory, Ordnance Equipment Factory, Phool Bagh, Kanpur, Uttar Pradesh</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Mechanical Testing</b>	<b>Issue Date</b>	<b>23.05.2015</b>
<b>Certificate Number</b>	<b>T-1271</b>	<b>Valid Until</b>	<b>22.05.2017</b>
<b>Last Amended on</b>	<b>24.05.2015</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. PLASTICS, RUBBER &amp; LEATHER</b>				
1.	<b>Rubber Products</b>	Indentation Hardness	IS 1741: 1960 (RA 2003), Amendment No. 5	70 N to 750 N (7 kg to 75 kg)
2.	<b>Leather Products</b>	Apparent Density	LP-5 of IS 5914: 1970 (RA 2003)	0.5 g/cm <sup>3</sup> to 2.0 g/cm <sup>3</sup>
		Tensile Strength & Elongation %	LP-6 of IS 5914: 1970 (RA 2003)	10 N/mm <sup>2</sup> to 60 N/mm <sup>2</sup> 10 % to 100 %
<b>II. TEXTILE MATERIALS</b>				
1.	<b>Textile Products</b>	Water Repellency of Fabric by Cone Test a) Surface Wetting b) Penetrated Water	IS 7941: 1976 (RA 2004)	Qualitative 1 ml to 400 ml
		Tearing Strength (Coated & Treated Fabric)	IS 7016 (Part 3): 1981 (RA 2003), Method A	20 N to 1000 N
		Resistance to Penetration by Water of Fabric by Static Pressure Head Test	IS 7940: 1976 (RA 2004)	(0 to 25) l/m <sup>2</sup> /hour
		Mass per unit length & area	IS 1964: 2001(RA 2006) IS 7016 (Part 1): 1982 (RA 2003) (Section 4)	10 g/m to 1600 g/m 10 g/m <sup>2</sup> to 1000 g/m <sup>2</sup>
2.	<b>Textile Woven Products</b>	Threads per unit length	IS 1963: 1981 (RA 2004)	(10 to 999)/dm
		Breaking Strength	IS 1969: 1985 (RA 2006) IS 7016 (Part 2): 1981 (RA 2003)	50 N to 10000 N

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<b>3.</b>	<b>Textile Threads</b>	Linear Density of Yarn	IS 1315: 1977 (RA 2005) IS 1720: 1978 (RA 2002), Appendix B3	(1 to 60) km/kg
		Breaking Strength of Single Strand	IS 1670: 1991 (RA 2002)	7 N to 200 N

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