

Laboratory **Geotextile Laboratory, Department of Jute and Fibre Technology, Institute of Jute Technology, University of Calcutta, 35, Ballygunge Circular Road, Kolkata, West Bengal**

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Mechanical Testing** **Issue Date** **24.04.2015**

Certificate Number **T-3390** **Valid Until** **23.04.2017**

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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.	Geotextile Products	Determination of Tensile Properties of Geotextiles by the (Wide-Width Strip Method)	ASTM D 4595: 2011	0.05 kN to 100 kN Upto 100 %
		Determination of Breaking Load (Grab Strength) and Elongation (Grab Elongation) of Geotextiles using the Grab Method	ASTM D 4632-08 (Reapproved 2013)	0.05 kN to 100 kN Upto 100 %
		Determination of Mass per Unit Area of Geotextiles	ASTM D 5261: 2010	50 gsm to 3100 gsm
		Determination of Nominal Thickness of Geosynthetics	ASTM D 5199: 2012	0.5 mm to 25 mm
		Determination of Apparent Opening Size (AOS) of a geotextile by using dry sieve test apparatus	ASTM D 4751: 2012	75 micron to 2000 micron
		Determination of Static Puncture Strength of Geotextiles and Geotextile Related Products using a 50-mm Probe	ASTM D 6241: 2014	0.05 kN to 100 kN
		Determination of Index Puncture Resistance of Geomembranes and Related Products	ASTM D 4833: 2007 (Reapproved 2013)	0.05 kN to 100 kN

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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
	Geotextile Products	Determination of Resistance of Geotextiles to penetration by A Steel Cone dropped from a fixed height	ISO 13433 : 2006 (E)	2 mm to 50 mm

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