

TARIFF RATES FOR TECHNICAL TEXTILES TESTING AT MANTRA,SURAT.FROM 01.01.2017

Sr. No.	Instrument	Test Parameter	Test Method
1	TexTest Air Permeability Tester FY3300	Air permeability	i)ASTM D-737 ii) BS-5656
2	UTM-Admet/ Tensile Test	i) Tensile Strength & elongation	IS 7016 (Part-2):1981
		ii)Tearing Strength	IS 7016 (Part-3):1981
3	Water Permeability Tester GE-TE Flow	Vertical Permeability to liquid without load	EN ISO 11058
4	MOCON WVTR Tester	Water Vapour Transmission Rate Tester	Based on ASTM D-6701
6	WIRA Run-off Tester	Measures the amount of test liquid which runs down a non-woven test piece	Based on AATCC TM 42-2000
	WIRA Spray Rating Tester	Resistance of fabric to surface wetting	AATCC 22
7	AATCC Shower Tester	Resistance of fabric to artificial shower	BS 5066:1974
8	Lenzing Lister Wetback	Measures rewetting properties of nonwoven cover stock	EDANA 150.5-02 & EDANA 151.2-99
9	WIRA TOG Tester	Thermal Resistance of continental quilts	-
10	Taber Abrasion Tester	Measures abrasion resistance of fabric by weight loss	-
11	Paramount Vertical Flammability Tester	Vertical flammability of fabric	ASTM D 1230
12	WIRA Liquid Absorbency Time	Time required for complete wetting	-
13	WIRA Liquid Absorbency Capacity	Amount of liquid that specimen can hold after a period of immersion and drainage	-
14	WIRA Liquid Wicking Rate	Determines the rate of vertical capillary rise in a specimen strip suspended in a liquid	-
15	Thymus Surface Resistance Tester	Electrical Resistance	-
16	Lenzing Film Thickness Tester	Measures thickness of synthetic films, metal foils and paper	DIN 53370 & DIN 55543
17	Brookfield Rheometer	Measures simple viscosity at a given speed or shear rate. Measures flow properties with a flow curve at a hear rate upto 1200 sec ⁻¹	-
18	Dataphysics Contact Angle Meter	Measures Static and Dynamic contact angle of any fluid with fabric by sessile and captive method. Measures surface free energy, surface & interfacial tension	-
19	Lenzing Vibrodyne	Measures force, elongation, tenacity, preloading, tenacity at certain elongation, young modulus, work, NDR of fibres	DIN 51221 & DIN 53816
20	Lecor Photosynthesis Meter	Measurement of PAR Value and Rate of photosynthesis and related parameters	
21	Palas Filter Test Rig	Dust filtration efficiency	

22	Shear Tester	Measures the length of time it takes for the adhesive sample to fail in shear mode	ASTM D-3654
23	S.S. Scale	Length of Roll	IS 7016 (Part 1):1982
24	S.S. Scale	Width of a Roll	IS 7016 (Part 1):1982
25	Thickness Meter	Thickness of Fabric	IS 7016 (Part 1):1982
26	Templates	GSM of Roll or Sample or Base fabric	IS 7016 (Part 1):1982