

Sl. No.	Tests	Minimum Quantity Required	Test Charges (Rs.) per Sample
<b>*</b>	<b>FABRIC TESTING</b>		
46)	Moisture Content by Oven Drying	2 m	375
47)	Length and Width [IS:1954], [ASTM D:3774]	2 m	500
	• Only length	2 m	300
	• Only width	2 m	300
48)	Mass per Unit Length [IS:1964], [ASTM D:3801]	2 m	750
49)	Mass per Unit Area [IS:1964], [ASTM D:3801]	2 m	500
50)	Thickness of Fabric [ASTM D:1777], [ISO:9863 Part I], [IS:7702]	2 m	250
51)	Thread Density (Ends and Picks) [IS:1963], [ASTM D:3775]	2 m	500
52)	Yarn Number (Warp and Weft) [IS:3442], [ASTM D:3883]		
	➤ With Added Matter (as such)	2 m	400
53)	➤ For additional colour and type of yarn		120 [extra]
54)	Crimp of Warp and Weft Yarn [IS:3492]	2 m	250
55)	Weave Diagram - upto 16 x 16 = 32 Threads/Repeat [Above that Rs.100 per 20 Threads]	2 m	1000
56)	Type of Weave	1 m	500
57)	Percent of Texturised Yarn in Woven Fabric	1 m	900

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58)	Spacing Between Threads (On Travelling Microscope)	1 m	300
59)	Breaking Load and Elongation [IS:1969], [ASTM D:5034], [ASTM D:5035], [ISO:13934 Parts I & II]	2 m	500
60)	Tear Resistance of Woven Fabric by Falling Pendulum Method (Elmendorf) [IS:6489], [ASTM D:1424], [ISO:13937 Part I]	2 m	500
61)	Tear Resistance of Woven Fabric by Double Rip or Single Rip Method or Wing Rib Method or Trapezoidal Method [IS:7016 Part III], [ASTM D:2261], [ISO:13937 Part II], [BS:4303], [ISO:13937 Parts III & IV], [ASTM D:5387]	2 m	600
62)	Diaphragm Bursting Strength of Fabric (Mullen) without distension [IS:1966]	2 m	350
63)	Crease Recovery Test [IS:4681], [ISO:2313]		
	➤ Initial (conditioned)	2 m	600
64)	Stiffness (Cantilever Test) – Bending Length [IS:6490], [ASTM D:1388]	2 m	350
65)	Flexural Rigidity [IS:6490], [ASTM D:1388]	2 m	440
66)	Drape Co-efficient [IS:8357]	2 m	1000
67)	Air Permeability Test		
	➤ Per pressure [IS:11056], [ASTM D:737]	2 m	600
68)	<b>Pilling Propensity</b> [IS:10971], [BS:11], [ISO:12945 Part I]		
	(i) Pill Box Tester – Up to 18,000 Cycles	1 m	550
	(ii) Martindale pilling – 1000 cycles	1 m	600
	(iii) Random Tumble Pilling – 30 min [ASTM D:3512]	1 m	1000

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	(iv) Martindale Pilling [ISO 12945]	1 m	1200
69)	Abrasion Resistance Testing		
	(i) Martindale Tester [ASTM D:4966], [ISO:12947 Part II]	1 m	
	➤ Up to 20,000 Rubs		900
	➤ Each additional 10,000 rubs or part thereof		500
70)	(ii) Flat Abrasion / Flex Abrasion [IS:12673], [ASTM D:3885 / 3886]	2 m	
	➤ 1000 Cycles		300
	➤ 2000 Cycles		450
	➤ 3000 Cycles		600
	➤ 4000 Cycles		750
	➤ 5000 Cycles Up to Break		1000
71)	Seam Breaking Strength [ASTM D:434], [ASTM D:1683] / Seam Slippage	2 m	750
72)	Stretch & Set		1200
73)	<b>Fabric Defect Analysis</b> - Minimum Charges (Additional Charges Depend on Work Involved)	-	5500
74)	<b>Scanning Electron Micrographs</b>	0.5 m	
	➤ Longitudinal View of Fibres/Yarns		2200
	➤ Cross-section View of Fibres/Yarns		2450
	➤ Birefringence		2500

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	➤ Measurement of Images – <b>Extra</b> for every additional image [beyond 16 images]		500
	➤ Hollowness (%)		2500
<b>75)</b>	<b>Terry Towel Analysis [IS:7056]</b>	1 m	
	➤ Count of Warp, Weft, Pile Yarns		500
	➤ Construction - Warp, Weft, Pile (EPI, PPI)		500
	➤ Breaking Strength (Warp and Weft)		500
	➤ Terry Ratio (Warp to Pile Length Measurement)		300
	➤ Pile Height		300
	➤ Absorbency [drop method]		350
	➤ Absorption % [Water retention] [EDANA Method]		400
	➤ Tuft withdrawal strength / Loop withdrawal strength / Loop slippage for bath towel		600
<b>76)</b>	Bonding Strength of Bonded Fabric [for application of adhesive extra charges as applicable] [IS:7016 Part IV]	2 m	600
<b>77)</b>	Skewness Test or Bowness [ASTM D:3882]	1 m	500
<b>78)</b>	Pore Size (Dry Sieving) [ASTM D:4751]	1 m	600
<b>79)</b>	Water Permeability per pressure [ASTM D:4491]	2 m	600
<b>80)</b>	Thermal Shrinkage	2 m	500