

FABRIC TESTING

S. No.	Tests	Quantity Required	Test Charges per Sample	
			USD (\$)	EURO (€)
50)	Moisture Content by Oven Drying	2 m	5	4
51)	Length and Width	2 m	3	3
52)	Weight per Unit Length	2 m	4	3
53)	Weight per Unit Area	2 m	4	3
54)	Thickness of Fabric	2 m	4	3
55)	Thread Density (Ends and Picks)	2 m	4	3
56)	Yarn Number (Warp and Weft)			
	✓ With Added Matter (as such)	2 m	4	3
	✓ After Definishing	2 m	7	5
57)	Crimp of Warp and Weft Yarn	2 m	4	3
58)	Twist of yarn removed from the fabric			
	✓ Each Yarn	2 m	5	4
	✓ Warp and Weft	2 m	8	6
59)	Weave Diagram - upto 16 x 16 = 32 Threads/Repeat [Above that Rs.100 per 20 Threads]	2 m	10	8
60)	Type of Weave	1 m	7	5
61)	Percent of Texturised Yarn in Woven Fabric	1 m	10	8
62)	Spacing Between Threads (On Travelling Microscope)	1 m	7	5

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63)	Breaking Load and Elongation			
	✓ Ravelled Strip or Grab	2 m	7	5
	✓ Cut Strip	2 m	7	5
64)	Tear Resistance of Woven Fabric by Falling Pendulum Method (Elmendorf)	2 m	7	5
65)	Tear Resistance of Woven Fabric by Double Rip or Single Rip or Wing Rib or Trapezoidal Methods	2 m	7	5
66)	Diaphragm Bursting Strength of Fabric (Mullen)	2 m	6	4
67)	Crease Recovery Test			
	✓ Wet	2 m	6	4
	✓ Initial (conditioned)	2 m	5	4
	✓ After 3 Washes	2 m	10	8
68)	Stiffness (Cantilever Test)	2 m	4	3
69)	Drape Co-efficient	2 m	7	5
70)	Air Permeability (Low Pressure Test): per pressure	2 m	5	4
71)	Pilling Propensity			
	(i) Pill Box Tester			
	✓ Upto 18,000 Cycles	2 m	10	8
	✓ Upto 36,000 Cycles		20	15

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	(i) Martindale Tester			
	✓ As per ASTM	2 m		
	✓ Upto 5,000 Rubs		10	8
	✓ Upto 10,000 Rubs		15	12
	✓ Upto 20,000 Rubs		20	15
	✓ Upto 30,000 Rubs		25	20
	✓ Above 30,000 Rubs		30	25
72)	Abrasion Resistance Testing - Flat Abrasion / Flex Abrasion			
	✓ 1000 Cycles	2 m	10	8
	✓ 2000 Cycles		15	12
	✓ 3000 Cycles		20	15
	✓ 4000 Cycles		25	20
	✓ 5000 Cycles Up to Break		30	25
73)	Seam Breaking Strength	2 m	10	8
74)	Seam Slippage	2 m	10	8
75)	Fabric Defect Analysis - Minimum Charges (Additional Charges Depend on Work Involved)	-	35	25

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76)	Terry Towel Analysis	1 m		
	✓ Count of Warp, Weft, Pile Yarns		10	8
	✓ Construction - Warp, Weft, Pile (EPI, PPI)		5	4
	✓ Breaking Strength (Warp and Weft)		10	8
	✓ Terry Ratio (Warp to Pile Length Measurement)		5	4
	✓ Pile Height		8	6
77)	Bonding Strength of Bonded Fabric	2 m	10	8
78)	Skewness Test or Bowness	1 m	7	5
79)	Pore Size (Dry Sieving)	-	10	8
80)	Water Permeability per pressure	2 m	12	9
81)	Thermal Shrinkage	2 m	10	8