

COE TESTING CHARGES

S. No.	NATURE OF TEST	TESTING STANDARDS	TEST CHARGES* (Rs.)
(A) Colour Fastness to			
1.	i) Light (Xenon Arc) - Upto 20 FDU	IS: 2454, ISO 105-B02, DIN 54004, BS-1006, AATCC-16H	1000.00
	ii) Light (Xenon Arc)	ISO 105-B04	2500.00
2.	i) Washing (Laundering)	IS/ISO 105 C10 A(1), B(2), C(3), D (4) and E(5), AATCC-61	300.00
	ii) Washing (Laundering)	IS/ISO 105 C10 (After 04 washing)	1200.00
	iii) Washing (Laundering)	ISO 105 CO6, AATCC-61 (1A to 5A)	450.00
3.	Crocking/ Rubbing (Dry & Wet)	IS : 766, ISO 105 -X12, AATCC-8	300.00
4.	Water	IS :767, ISO 105-E01, AATCC-107	300.00
5.	Perspiration	IS : 971. ISO105 E04, AATCC-15, DIN 54020	300.00
6.	Dry Cleaning	IS : 4802, ISO 105 D01, AATCC-132	300.00
7.	Hot Pressing / Sublimation	IS : 689, IS:975, AATCC-133	300.00
8.	Sea Water	IS: 690, AATCC-106, ISO105 E02,	300.00
9.	Organic Solvent / Water Spotting	IS : 688, AATCC104, AATCC-157, JISLO853, ISO-105 E07	300.00
10.	Wet Scrubbing	IS : 11908	300.00
11.	Shampooing	IS : 11969	300.00
12.	Chlorinated Water/ Hypochlorite Bleach	IS :762, IS :4803, ISO 105-E03, DIN 4019, AATCC-162	300.00
13.	Non-chlorine Bleach/ Hydrogen peroxide Bleach	IS :763, ISO 105 NO.1&2, AATCC-3, AATCC-101	300.00
(B) Fibre Composition			
14.	Qualitative Analysis	IS :667/AATCC-20	300.00
15.	i)Quantitative Analysis		
	- Binary Mixture	IS :3416, , IS:9889, AATCC-20A, BS: 4407, IS:2006, IS:2005, IS :3421	600.00
	- Binary Mixture - Quantitative analysis of complete Socks	As per IS methods	2000.00
	- Extra Each Component (Fibre)		200.00
	ii) Flax, Jute etc.	Internal method	800.00
(C) DIMENSIONAL CHANGE TO			
16.	Hand Washing	ISO 6330	300.00
17.	Domestic Washing (Horizontal drum & Agitator type machine)	ISO 6330	600.00

18.	Automatic Home Laundering (Machine wash)	IS : 1299, AATCC-135, AATCC-150, ISO 5077	600.00
19.	Relaxation Shrinkage/ Shrinkage or Elongation	IS 2977, IS : 665	350.00
20.	Shrinkage when Heated	IS : 11248, IS : 11815	450.00
21.	Appearance After Laundering/Hand Wash	AATCC-124, AATCC-88, AATCC-143	600.00
22.	Dry & Wet Shrinkage for Polyester sewing thread	IS : 9543	600.00
23.	Skewness	AATCC-179, ASTM-D3882	600.00
24.	Fabric Wrinkle Recovery	AATCC-128	1200.00
(D) WATER, CHEMICAL & OIL REPELLENT/RESISTANCE			
25.	Bundesman /Shower	IS : 392	1000.00
26.	Cone Test	IS : 7941	1000.00
27.	Spray Test	IS : 390, AATCC-22, ISO-4920	500.00
28.	Hydrostatic Pressure Head Test	IS: 7016 (PART-VII), AATCC-79, ASTM D4772	1000.00
29.	Water resistance: Hydrostatic pressure test	AATCC 127/EN ISO 20811	2000.00
30.	Water resistance: Impact penetration test	AATCC 42	1000.00
31.	Water Vapour Transmission Test	ASTM E-96, CAN-4.2-49	2000.00
32.	Wettability of cotton/ Absorbency (By drop test)	IS : 2349, AATCC-79	500.00
33.	Oil Repellency (Hydrocarbon)	AATCC-118	2000.00
34.	Buoyancy Test	IS : 3040	1500.00
35.	Moisture Management Test	AATCC 196	7500.00
36.	Penetration by liquid chemical	IS 15758 (Part 3)/EN ISO 6530	4000.00
(E) COLOUR MEASUREMENT			
37.	Assessment of Total Colour difference (ΔE)	AATCC:173, AATCC Evaluation Procedure- 7	300.00
38.	Whiteness/Yellowness/Brightness Index Evaluation Comparasion	Computer colour matching system	300.00
39.	Comparison of strength of Dyestuff Powder Strength	Solvent soluble dyes using spectrophotometer	600.00
40.	Reflectance Value & Curve	Computer colour matching system	300.00
41.	Presence of optical Brightener	U.V. Light	200.00
42.	Optical Brightening Agent (OBA) Active Content	UV -Spectrophotometer	600.00
(F) GENERAL PARAMETERS			
43.	pH Value of Aqueous Extract	IS : 1390, ISO-3071, AATCC-81	300.00
44.	Water Soluble Matter	IS : 3456	500.00

45.	Scouring Loss (i) Mild & Sever method (ii) Solvent method	IS : 1383 IS : 2360	500.00 500.00	
46.	Ether Soluble/ Solvent soluble Matter	IS : 4390	500.00	
47.	Barium Activity Number	IS : 1689	600.00	
48.	Desizing of Fabrics	IS :1383	300.00	
49.	Residual starch on bleached fabric	IS : 1967	1000.00	
50.	Ash Content	IS : 199	800.00	
51.	Moisture Content	IS : 199, ASTM D2654	500.00	
52.	Solid Content	IS : 199	500.00	
53.	Ionic Nature	Solvent	600.00	
54.	Active Content	Solvent	1000.00	
55.	Oligomer Content	Solvent Extraction	450.00	
56.	OilContent/Wax Content/Spin Finish	Solvent Extraction	500.00	
57.	Raw Wool Fibres (Scouring Loss, Oil & Fat Content, Vegetable Matter , Ash Content)	IS :1349	2500.00	
58.	Chloride content of textile material	IS : 4202	600.00	
59.	Sulphate content of textile material	IS : 4203	600.00	
60.	Wetting Agent	Wetting Efficiency Comparison by DRAVE'S method	500.00	
61.	Proofing Content	IS 6803	2000.00	
(G) CHEMICALS (PURITY/STRENGTH)				
62.	Ordinary Chemicals	As per BIS standard/Analytical books	500.00	
63.	Sodium Hypochlorite (i) Available Chlorine (ii)Available Chlorine & Soduim Hydroxide		400.00 500.00	
64.	Acetic Acid		500.00	
65.	Sodium Chloride		500.00	
66.	Sodium Hydrosulphite		1000.00	
67.	Hydrogen Peroxide		1000.00	
68.	Hydrochloric Acid		1000.00	
69.	Sulphuric Acid		1000.00	
70.	Sodium silicate -Na ₂ O -SiO ₂		600.00	
71.	TiO ₂		675.00	
72.	Silicon (Oil Content)		IS :14742	600.00
(H) DYE IDENTIFICATION & PRINTING ASSISTANCE				
73.	Identification of Dyes on		IS : 4472	2000.00

	textile material		
74.	Comparison of Dyestuff Strength Test (By Dyeing) and Evaluation by CCM	Dyeing Technique manual	1000.00
(I) FLAME, HEAT, ELECTRIC & THERMAL RESISTANCE			
75.	Pre-treatment after 05 washes before FR test	IS 15370-2A/ISO 6330-2A	1000.00
76.	Heat resistance	ISO 17493 (180°C)	1200.00
77.	Flame spread – Face ignition	IS 15758 (Part 4)/ISO 15025: 2000 (A) /BS 5867/BS 5438-1A	1500.00
		BS 5438-2A	1500.00
		BS 5438-3A	2000.00
78.	Flame spread – Edge ignition	IS 15758 (Part 4)/ISO 15025: 2000 (B)/BS 5867/BS 5438-1B	1500.00
		BS 5438-2B	1500.00
		BS 5438-3B	2000.00
79.	Impact of spatter (up to class-2)	ISO 9150	6000.00
80.	Electrical resistance	EN 1149-2	3000.00
81.	Convective heat	IS 15758/(Part 1)/ISO 9151	6000.00
82.	Radiant heat	IS 15758 (Part 2)/ISO 6942	7000.00
83.	Molten Aluminium Splash - up to D1 -up to D2 -up to D3	ISO 9185	6500.00
			8000.00
			10000.00
84.	Molten Iron Splash -up to E1 -up to E2 -up to E3	ISO 9185	7000.00
			8500.00
			11000.00
85.	Contact Heat –Heating cylinder	ISO 12127	3000.00
86.	Sweating guard hot plate test -Thermal Resistance (Rct) -Water vapour resistance (Ret)	ISO 11092 (Ret can also be tested as per ASTM F 1868 Part B)	-
			5000.00
			6000.00
87.	Limiting Oxygen Index -Fabric -Nonwoven, plastic, wood etc	IS 13501/ASTM D 2863/ NCD 14510	1500.00
			2000.00
88.	Vertical Flammability test - IS 15061 - IS 11871/ BS 5438	IS 15061 Annex B/11871 Method A	1200.00
			1000.00
89.	Inclined Flammability Test	IS : 11871 Method-B/ASTM D1230/ AATCC-33	1000.00

90.	Horizontal Flammability Test	IS 15061 Annex A/FMVSS 701	1000.00
91.	Methenamine Tablet test	BS 6307/ASTM D 2859/NFPA 101	1500.00
92.	Cigarette test (Source zero)	BS 5852	1000.00
93.	Small Flame test (Source-1)	BS 5852	1500.00
94.	Fire test -NFPA 701 Method 1 -NFPA 701 Method 2	NFPA 701	1500.00 3000.00
95.	Thermal Protective Performance Test (TPP /HTP)	NFPA-2112, ISO 17492, NFPA 1971, NFPA 1981, ASTM F 2700, ASTM 2703 (For contact & Space both)	20,000.00
96.	Surface Flammability Test	ISO 5658-2/ IMO A 653	25000.00
97.	Heat resistance	Hot Air Oven	200.00 (for 8 hrs)
98.	Humidity Resistance	Humidity chamber	250.00 (for 8 hrs)
(J) HIGH VISIBILITY CLOTHING			
99	Colour performance – Chromaticity coordinates and luminance factor (Normal state)	IS 15809/BS EN 20471	2000.00
100	Colour performance – Chromaticity coordinates and luminance factor (After Xenon test)	IS 15809/BS EN 20471	3000.00
101	Photometric for retro-reflective material (Normal state) -Chromo city -Retero reflection	IS 15809/BS EN 20471	2000.00 2000.00
102	Photometric for retro-reflective material (After exposure to Abrasion, Flexing, Temperature variation, Washing, Cold fold, Dry cleaning, Rainfall)	IS 15809/BS EN 20471	3000.00 (for each exposure)
(K) AUTOMOTIVE TEXTILES			
103	COLOR FASTNESS TO Light (Xenon Arc) - One sample - For two samples - More than three samples	GME 60292/SAE J 1885/TSL 3600 G/ TSL 0601 G/MS –300-35/AATCC 16 H/JASO M 403-83/HES D 6601/JASO M 346/EDS-T-7415/GM 9538P	125 per hour 100 per hour 70per hour
104	Colour definition (XYZ & L a b Values)	Using CCM	300.00

105	Abrasion Resistance (Taber Type) Abrader Wheel (CS-10, H-18, H-22 & H-38) Upto 1000 Cycles Upto 1500 Cycles Upto 2000 Cycles	SAE J1530 – A, SES N 3246, JASO 403, SAE J948, MS 300-32 SES N 3298	1000.00 2000.00 2500.00
106	Flammability	SAE J 369, FMV SS 302, SES N 3245 HES D-6003, JASO M 313, GM 9070P MS 300-8	1000.00
107	Smell (Dry & Wet Condition)	TSL 3505G, TSM 0505 G	1200.00
108	Smell (40C- 95% RH X 400 HRS)	TSL 3505G	12500.00
109	Odor property	HES D6507/MS 300-32/FMLT 131-01	1200.00
110	Fog Test -Fog Number -Fog Percentage -Attached mass	TSL 3608G/MS 300-54/TSM 0503G/ EDS T 7694, FLTM BO 116-03/SAE J 1756	1200.00 1200.00 1500.00
111	Colour Fastness to Crocking /Rubbing	FLTM BN 107-01/JASO M 313 EDS-T-7643	600.00
112	Dimensional change by Moisturing/ Immersion shrinkage	HES D 6506/JASO M 313-83 MS 300-32/FLTM BN 105-01	600.00
113	Dimensional Stability against Humidity	MS 300-32	600.00
114	Dimensional Change by Heating	HES D 6506/FLTM-BN-105-01	600.00
115	Water Resistance/Repellency	HES D 6506/Ms 300-32	300.0
117	Resistance to Bleeding	AN 101 –01	300.00
116	Resistance to Bleeding	AN 101 –01	300.00
117	Resistance to Heat	(100 ^o c for 8 Hrs.)	200.00
118	Resistance to Humidity	(40 ^o C- 95% RH for 8 hrs.)	250.00
119	Steaming in Auto-Clave	(100 ^o C for 1 hr.)	1000.00
120	Colour fastness to Crocking	TSL 3600 G/BN 107-01/FLTM BN 107-01/MS 300-32	600.00
121	Soil Resistance (Oil, Water and drop)	Automotive standard	2400.00

(L) MICROBIOLOGY RELATED TEST

Anti Bacterial Evaluation test

122	Antimicrobial Finishes on Textile materials: Assessment -Staphylococcus aureus ATCC No 6538 -Klebsiella pneumonia ATCC No 4352	AATCC 100	2000.00
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123	Antimicrobial Activity Assessment of Textile Materials: Parallel Streak method	AATCC 147	1800.00
124	Antimicrobial Activity Assessment of new carpet i. Qualitative assessment ii. Quantitative assessment	AATCC 174	1800.00 2000.00
125	Antibacterial activity assessment of textile materials: Agar plate method	AATCC 90	1800.00
126	Determination of antibacterial activity of textile product	ISO 20743	4800.00
127	Measurement of antibacterial activity on plastics and other non-porous surface	ISO 22196	4800.00
128	Determination of antibacterial activity of textile product- Agar diffusion plate test	ISO 20645	1800.00
129	To evaluate the antibacterial efficacy of antibacterial finished textile product	JIS L 1902	2500.00
130	To determine the resistance to dry bacterial penetration	IS 16548, ISO 22612	12500.00
Antifungal Evaluation			
131	To determine the degradability of textile materials-Part-1	AATCC 30- Part-1	2000.00
132	To evaluate the susceptibility of textile specimen against fungal Chaetomium globsum-Part-2	AATCC 30- Part-2	4500.00
133	To evaluate the susceptibility of textile specimen against fungal like Aspergillus niger.-Part-3	AATCC 30- Part-3	4500.00
134	Standard practice for determining resistance of synthetic polymeric materials to fungi	ASTM G 21	41000.00

135	Detection of mildew /rot proof-ness	MIL-STD-810 F Method 508.5.1	41000.00
(M) Medical Textiles related test			
136	Synthetic Blood Penetration - Fabric - Coverall - Shoe cover	ISO16603: 2004/IS 16546: 2016/ (Procedure A, B, C- upto 3.5kPa, D-upto 3.5kPa)OR ASTM F 1670/F1670M-17a	3500.00 4500.00 4500.00
137	Resistance to penetration by synthetic blood/ Splash resistance for surgical mask	IS 16289 Annex D, ASTM F 1862, ISO 22609	4000.00
138	Differential pressure, mm H2O/cm2 for surgical mask	IS 16289: 2014, Annex C, EN 14683:2019, Annex C	1000.00
139	Flammability for surgical mask	16 CFR 1610	1000.00

*Applicable GST extra