

Testing Facilities at Troops Comfort Limited

Name of the Laboratory: OCF AVADI, Chennai			
Discipline: Chemical, Mechanical			
Sl	Materials or Products tested	Component, parameter or characteristic tested/ Specific Test Performed/ Tests or type of tests performed	*Test Method Specification against which tests are performed and/or the techniques/ equipment used
Discipline: Mechanical			Group: Paper & Paper products
1	Packing Boxes	Bursting Strength	IS 1060 (Part 7/sec1) : 2025
2	Packing Boxes	Dimensions	IS:2771: Part 1: 2022
3	Packing Boxes	Flap Bend Test	IS:2771: Part 1: 2022
4	Packing Boxes	Mass/Unit area	IS 1060 (Part 5/sec 5) : 2021
5	Packing Boxes	No. of Ply	IS:2771: Part 1: 2022
6	Packing Boxes	Thickness	IS 1060 (Part 5/sec 3) : 2014
7	Packing Boxes	Type of Corrugation	IS:2771: Part 1: 2022
8	Packing Boxes	Water Absorption (Cobb Test)	IS 4006 Part 1:: 2024
Discipline: Chemical			Group: Textile (Woven & Non woven)
9	Buttons	Colour Fastness to Light	ISO:105-B02: 2014
10	Buttons	Curing Test	IS 8543(Part 13/Sec 1): 1977
11	Buttons	Hot Pressing Test	IS 8543(Part 13/Sec 1): 1977

12	Coated and Treated Fabrics	Color Fastness to Light	ISO:105-B02: 2014
13	Coated and Treated Fabrics	Colour Fastness to Light	ISO:105-B02: 2014
14	Coated and Treated Fabrics	Material Identification	ISO 1833-18:2020,ISO 1833-25:2020,ISO 1833-29:2020
15	Coated and Treated Fabrics	Material Identification	AATCC- 20/20A: 2021
16	Coated and Treated Fabrics	Water Repellency (Spray Test)	IS 390: 2024
17	Fabirc (Woven and Non woven)	Chlorite Test	Appendix 'D' of IND/TC/0048(f): 2015
18	Fabirc (Woven and Non woven)	Hydro Test	Appendix 'C' of IND/TC/0048(f): 2015
19	Fabric (Woven and Non woven)	pH value	IS 1390 cold method: 2022
20	Fabric (Woven and Non Woven)	Blend Composition Binary mixture of Polyester fibre with Cotton - Cotton	IS 3416: 2022
21	Fabric (Woven and Non Woven)	Blend Composition Binary mixture of Polyester fibre with Cotton - Polyester	IS 3416: 2022
22	Fabric (Woven and Non Woven)	Cone Test	IS 7941: 1976
23	Fabric (Woven and Non Woven)	Dye Identification	IS 4472: Part 1: 2021
24	Fabric (Woven and Non Woven)	Relaxation Shrinkage or Elongation%-	IS-2977: 1989
25	Fabric (Woven and Non Woven)	Warp Relaxation Shrinkage or Elongation%- Weft	IS:2977: 1989

26	Fabric (Woven and Non woven)	Scouring Loss%	IS 1383 Mild Method: 2023
27	Fabric (Woven and Non Woven)	Water soluble matter	IS 3456: 2022
28	Fabric (Woven, Non Woven & Knitted)	Colour Fastness to Light	ISO:105- B02:2014
29	Fabric (Woven, Non- Woven and Knitted)	Color Fastness to Prespiration	ISO 105-E04: 2013
30	Fabric (Woven, Non Woven & Knitted)	Material	IS 667: 1981
31	Fabric (Woven, Non woven and Knitted)	Colour Fastness to Light	ISO:105- BO2:2014 : 2014
32	Fabric (Woven, Non Woven and Knitted)	Colour Fastness to Rubbing	IS/ISO 105- X12: 2016
33	Fabric (Woven, Non woven and Knitted)	Colour Fastness to Washing	IS/ISO 105- C10 : 2006
34	Fabric (Woven and Non Woven)	Colour Fastness to Dry Cleaning	ISO 105-D01: 2010
35	Fabric (Woven and Non Woven)	Blend Composition (Binary mixture of Polyester/wool) Wool	IS:2006: 2024 -
36	Fabric (Woven and Non Woven)	Blend composition Binary mixture of Polyester- fiber with Regenerated Cellulose- Polyester	IS 3416: 2022
37	Fabric (Woven and Non Woven)	Blend Composition Binary mixture of Polyester- with regenerated cellulose - Viscose	IS 3416: 2022
38	Fabric (Woven, Non Woven & Knitted)	Nature of Material	IS 667: 1981

39	Fabric(Woven, Non Woven and Knitted)	Color Fastness to Washing	ISO:105-C06 : (A2S): 2010
40	Fabric(Woven, Non Woven and Knitted)	Relaxation Shrinkage or Elongation % Weft	IS 665: 1989
41	Fabrics(Woven, Non Woven & Knitted)	Relaxation Shrinkage or Elongation % Warp	IS 665: 1989
42	Fabrics(Woven, Non-Woven ,Coated and Treated)	Water Absorption and Penetration using Bundesmann Type Apparatus	IS 392: 1989
43	Fasteners- Hook and Loop	Colour Fastness to Light	ISO:105- B02:2014
44	Fasteners- Hook and Loop	Colour Fastness to Rubbing	IS/ISO 105-X12: 2016
45	Fasteners- Hook and Loop	Colour Fastness to Washing	IS/ISO 105-C10: 2006
46	Fasteners- Hook and Loop	Material Identification	Annex 'A' of IS:8156: 2014
47	Fasteners- Hook and Loop	Colour Fastness to sea water	ISO 105 E02: 2013
48	Fibre Ropes and Cords	Fibre Identification	IS 667: 1981
49	Fibre Ropes and Cords	pH value	IS 1390 cold method: 2022
50	Finished Fabric(Woven, Non Woven and Knitted Fabric)	Color Fastness to Rubbing	ISO:105-X12: 2016
51	Fused collars and Shoulder Straps	Boiling Test	Appendix 'E' of IND/TC/2090: 1987
52	Fused collars and shoulder straps	Shrinkage test	Clause 9.2 of IND/TC/2090: 1987
53	HDPE Dot Coated Printed Fusible Interlining Fabric	Loss in mass after boiling in soap solution	Appendix 'C' of IND/TC/2089(a): 1986

54	HDPE Dot Coated Printed Fusible Interlining Fabric	Nature of Polimer	Appendix'F' of IND/TC/2089(a): 1986
55	HDPE Dot Coated Printed Fusible Interlining Fabric	Shrinkage % after soaking in soap soda solution-Weft	Appendix 'A' of IND/TC/2089(a): 1986
56	HDPE Dot Coated Printed Fusible Interlining Fabric	Shrinkage % after Thermal Treatment - Weft	Appendix'B' of IND/TC /2089(a): 1986
57	HDPE Dot Coated Printed Fusible Interlining Fabric	Shrinkage % after Thermal Treatment - Warp	Appendix 'B' of IND/TC/2089(a): 1986
58	HDPE Dot Coated Printed Fusible Interlining Fabric	Shrinkage% after soaking soap soda solution-Warp	Appendix 'A' of IND/TC/2089(a): 1986
59	HDPE Dot Coated Printed Fusible Interlining Fabric	Strike through after boiling in soap soda solution	Appendix 'E' of IND/TC/2089(a): 1986
60	Labels	Colour Fastness to Perspiration	IS/ISO 105 E04: 2013
61	Labels	Colour Fastness to Washing	IS/ISO 105-C10: 2006
62	Plastic Slide Fasteners	Colour Fastness to Light	ISO:105- B02:2014
63	Plastic Slide Fasteners	Colour Fastness to Organic Solvent	ISO 105-X05: 1994
64	Plastic Slide Fasteners	Colour Fastness to Perspiration	IS/ISO 105 E04: 2013
65	Plastic Slide Fasteners	Colour Fastness to Sea Water	ISO 105 E02: 2013
66	Plastic Slide Fasteners	Colour Fastness to Washing	IS/ISO 105 C-10: 2006
67	Sewing Threads	Colour Fastness to Light	ISO:105- B02:2014

68	Sewing Threads	Colour Fastness to Washing	IS/ISO 105 C-10: 2006
69	Sewing Threads	Fibre Identification	IS 667: 1981
70	Sewing Threads	Residual Shrinkage % - Dry	IS 9543: 2015
71	Sewing Threads	Residual Shrinkage % Wet	Appendix'B' of IND/TC/0296(b): 1998
72	Sewing Threads	Residual Shrinkage %- Wet	IS 9543: 2015
73	Sewing Threads	Residual Shrinkage% Dry	Appendix'B' of IND/TC/0296(b): 1998
74	Tapes/Netting	Colour Fastness to Light	ISO:105- B02:2014
75	Tapes/Netting	Colour Fastness to Washing	IS/ISO 105 C-10: 2006
76	Tapes/Netting	Fibre identification	IS:667: 1981
77	Tapes/Netting	pH Value	IS 1390 cold method: 2022
78	Tapes/Netting	Scouring Loss%	IS 1383 (Mild Method): 2023
79	Textile (Woven & Non Woven)	Blend Composition (Binary mixture of Polyester/wool) Polyester	IS 2006: 2024 -
Discipline: Mechanical			Group: Textile Materials
80	Buttons	Base Thickness	IS 1461: 2024
81	Buttons	Button Hole Diameter	IS:1461: 2024
82	Buttons	Button Hole Distance	IS:1461: 2024
83	Buttons	Cup diameter	IS 1461: 2024
84	Buttons	Diameter	IS 1461: 2024
85	Buttons	Load Test	Clause 9 of IS:8543(Part 13/Sec 1):: 1977
86	Buttons	Overall Thickness	IS 1461: 2024

87	Coated and Treated Fabrics	Breaking Load (Strip method)- Warp	IS 7016 Part 2: 2022
88	Coated and Treated Fabrics	Breaking Load (Strip method)- Weft	IS 7016 Part 2: 2022
89	Coated and Treated Fabrics	Peel Strength - Warp	IS 7016 Part 5: 2019
90	Coated and Treated Fabrics	Peel Strength -Weft	IS 7016 Part 5: 2019
91	Coated and Treated Fabrics	Resistance to Penetration by Water	IS 7016 Part 7: 2023
92	Coated and Treated Fabrics	Tearing Strength Warp (Falling Pendulum)	IS 7016 Part 3 sec 1: 2022
93	Coated and Treated Fabrics	Tearing Strength Weft (Falling Pendulum)	IS 7016 Part 3 sec 1: 2022
94	Coated and Treated Facrics	Mass in /Gms per Sq.mtr	ISO :3801: 1977
95	Cordage	Count	JSS 4020-9 Rev 3:: 2013
96	Cordages	Breaking Load	IS 7071 Part 4: 2021
97	Cordages	Mass/100 mtr	App 'C' of JSS 4020-9 Rev 3:: 2013
98	Cordages	No. of ends in core	JSS 4020-9 Rev 3: 2013
99	Cordages	No. of ends in sheath	JSS 4020-9 Rev 3: 2013
100	Cordages	Plaits/dm	App 'B' of JSS 4020-9 Rev 3: 2013
101	Fabric (Woven and Non Woven)	Breaking Load (Strip method)- Weft	IS 1969 Part 1 : 2018

102	Fabric(Woven, Non Woven and Knitted)	Bursting Strength	ISO 13938-1: 2019
103	Fabrics (Woven and Non Woven)	Breaking Load (Strip Method)- Wrap	IS 1969 Part 1 : 2018
104	Fabrics (Woven and Non Woven)	Crease Recovery Angle	IS 4681 Part 1: 2024
105	Fabrics (Woven and Non woven)	Picks/cm	IS:1963: 1981
106	Fabrics(Woven and Non Woven)	Tearing Strength (Weft)	ISO 13937: Part 2: 2000
107	Fabrics(Woven and Non woven)	Breaking Load (Ravelled Strip Method) - Warp	ISO 13934-1: 2013
108	Fabrics(Woven and Non woven)	Breaking Load (Ravelled Strip Method)- Weft	ISO 13934-1: 2013
109	Fabrics(Woven and Non woven)	Co-efficient of Drape	IS 8357: 1977
110	Fabrics(Woven and Non Woven)	Compressional Recovery	IND/TC/4587(d): 2016
111	Fabrics(Woven and Non Woven)	Count of Yarn (Warp)	IS 3442: 2023
112	Fabrics(Woven and Non Woven)	Count of Yarn (Weft)	IS 3442: 2023
113	Fabrics(Woven and Non woven)	Ends/cm	IS 1963: 2025
114	Fabrics(Woven and Non Woven)	Hydro Static Pressure Head Test	IS 7940: 1976
115	Fabrics(Woven and Non Woven)	Mass/Unit area	ISO 9073-1:2023
116	Fabrics(Woven and Non woven)	Pilling Resistance	IS 10971(Part 1) : 2022
117	Fabrics(Woven and Non woven)	Tearing Strength (Elmendorf)- Warp	IS 6489(Part 1): 2011

118	Fabrics(Woven and Non woven)	Tearing Strength (Elmendorf)- Weft	IS 6489(Part 1): 2011
119	Fabrics(Woven and Non Woven)	Tearing Strength (Warp)	ISO 13937: Part 2: 2021
120	Fabrics(Woven and Non Woven)	Weave	visual: 2001
121	Fabrics(Woven, Non Woven and Knitted)	Mass/Sq.mtr	IS:1964: 2001
122	Fabrics(Woven, Non-Woven and Knitted)	Bursting Strength	IS 1966 (Part 1): 2022
123	Fastener Hook & Loop	Peel Strength	Annex E of IS:8156: 2024
124	Fastener Hook & Loop	Shearing Strength	Annex E of IS:8156: 2024
125	Fastener Hook & Loop	Shearing Strength after endurance test	Annex G of IS:8156: 2024
126	Fasteners- Hook and Loop	Dot Tear Test	Annex'H'of IS :8156: 2024
127	Fasteners- Hook and Loop	Width	Annex'B' of IS 8156: 2024
128	HDPE Dot Coated Printed Fusible Interlining Fabric	Adhesion Strength	Appendix 'D' of IND/TC/2089(a): 1986
129	HDPE Dot Coated Printed Fusible Interlining Fabric	Breaking Load -Warp	IS 1969 Part 1: 2018
130	HDPE Dot Coated Printed Fusible Interlining Fabric	Breaking Load -Weft	IS 1969 Part 1: 2018

131	HDPE Dot Coated Printed Fusible Interlining Fabric	Ends/dm	IS:1963: 2025
132	HDPE Dot Coated Printed Fusible Interlining Fabric	Mass/Sq.mtr	IS:7016 Part 1: 1982
133	HDPE Dot Coated Printed Fusible Interlining Fabric	Picks/dm	IS 1963: 2025
134	HDPE Dot Coated Printed Fusible Interlining Fabric	Tear Strength -Warp	IS 7016 Part 3: Sec 1: 2022
135	HDPE Dot Coated Printed Fusible Interlining Fabric	Tear Strength -Weft	IS 7016 Part 3: Sec 1: 2022
136	HDPE Dot Coated Printed Fusible Interlining Fabric	Width	IS 1954: 2024
137	Knitted Fabrics	Course/cm	IS 3330: 2023
138	Knitted Fabrics	Wales/cm	IS 3330: 2023
139	Netting	Bursting Strength	IS 1966 (Part-1): 2022
140	Netting	Mass/Unit area	IS 1964 Method A: 2001
141	Netting	Total No. of Holes on Base and Bias	Annex A of IS 1431: 1973
142	Plastic slide fasteners	Length	IS 14181 Part 1-3: 2002
143	Plastic Slide Fasteners	Resistance to Abrasion under Load	Annex 'L' of IS 14181 Part 2: 2002

144	Plastic Slide Fasteners	Resistance to heat under load	Annex 'M' of IS 14181 Part 2: 2002
145	Plastic Slide Fasteners	Tape Extension	IS 14181 Part 1-3: 2002
146	Plastic Slide Fasteners	Textile Chain Thickness	IS 14181 Part 1-3: 2002
147	Plastic Slide Fasteners	Textile Chain Width	IS 14181 Part 1-3: 2002
148	Plastic Slide Fasteners	Fold Over Security of Textile Chain in Obverse Fold	Annex 'C' of IS 14181 Part 1 to 3: 2002
149	Plastic Slide Fasteners	Fold Over Security of Textile Chain in Reverse fold	Annex 'C' of IS :14181 Part 1 to 3: 2002
150	Plastic Slide Fasteners	Reciprocating Movement of Slider under load	Annex 'K' of IS 14181 Part 2: 2002
151	Plastic Slide Fasteners	Remeshability of Fasteners	IS 14181 Part 1 to 3: 2002
152	Plastic Slide Fasteners	Security attachment of Bottom Stop	Annex "E" of IS 14181 Part 1 to 3: 2002
153	Plastic Slide Fasteners	Security Attachment of Puller to Slider	Annex'H' of IS:14181 Part 1 to 3: 2002
154	Plastic Slide Fasteners	Security attachment of Top Stop	Annex"D" of IS 14181 Part 1 to 3: 2002
155	Plastic Slide Fasteners	Security of attachment of retainer to lateral load(open end fasteners)	Annexure'G'of IS :8156: 2014
156	Plastic Slide Fasteners	Security of attachment of retainer to longitudinal load(open end fasteners)	Annex 'F'of IS :14181 Part 1 to 3: 2002
157	Plastic Slide Fasteners	Security of Interlocking of Textile Chain to Lateral Load	Annex'B' of IS 14181 Part 1 to 3: 2002

158	Plastic Slide Fastners	Security of Slider Lock Holding	Annex 'J' of IS:14181 Part 1 to 3: 2002
159	Press Buttons	Disengagement Test	Clause 6 of IND/TC/2284: 1972
160	Sewing Thread	Count	IS:3442: 2023
161	Sewing Thread	Length in Mtrs/Kg	App'A' of IND/TC/0296(b): 1998
162	Sewing Threads	Balance of Twist (No. of turns)	IND/TC/0296(b): 1998
163	Sewing Threads	Breaking Load	IS 4910 Part 3: 2023
164	Sewing Threads	Elongation at Break	IS 4910 Part 3: 2023
165	Sewing Threads	No. of Ply	IND/TC/0296(b): 1998
166	Tapes	Breaking Load	IS 1969: Part 1: 2018
167	Tapes	Ends in Full width	IS 1963: 1981
168	Tapes	Mass/Unit Length	IS 1964: 2021
169	Tapes	Picks/DM	IS 1963: 1981
170	Tapes	Weave	Visual: 2001
171	Textile Fabrics/Coated Fabrics/Laminated Fabrics/Garments	Resistance of Protective Clothing Materials to Penetration by Blood and Body Fluids using Synthetic Blood	IS 16546(Procedur A,B,C & D): 2016
172	Textile Fabrics/Coated Fabrics/Laminated Fabrics/Garments	Resistance to Protective Clothing Materials to Penetration by Blood and Body Fluids using Synthetic Blood	ASTM F 1670 / F 1670 M- 17a(Procedures A &B): 2017
173	Textile Fabrics/Coated Fabrics/Laminated Fabrics/Garments	Resistance to Protective Clothing Materials to Penetration by Blood and Body Fluids using Synthetic Blood	ISO 16603 (Procedure A,B,C &D): 2020

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Mechanical Test Parameters

S No.	Discipline Name	Group	Sub Group	Materials or Products Tested	TEST PARAMETER	TEST METHOD
1	Mechanical	Textile Materials	Coated fabrics	TPO Coated Fabric	Adhesion Strength (Before Ageing)	IS:7016 Pt. 5 : 2019
2	Mechanical	Textile Materials	Fabrics(Woven and Non Woven)	Coated Fabric	Abrasion Resistance Test	IS:12673 Pt. 1: 2014 / ISO 12947-2:2016
3	Mechanical	Textile Materials	Fabrics(Woven and Non Woven)	MSCN Fabric	Gloss Value	IS:101 (Pt.4/Sec 4): 2020
4	Mechanical	Textile Materials	Fabrics(Woven and Non Woven)	Netting	No. of Holes per Sq.CM	IS:10054: 2025
5	Mechanical	Textile Materials	Fabrics(Woven and Non Woven)	MSCN Fabric	Thermal Loading Test	MIL-PRF-53134 (4.4.2.3.1): 1996
6	Mechanical	Textile Materials	Fabrics(Woven and Non Woven)	Coated/Treated Fabric	Tensile Strength	IS:7016 (pt. II): 2022

7	Mechanical	Textile Materials	Fabrics(Woven and Non Woven)	MSCN Fabric	Thermal Transmission (%)	MIL-PRF-53134 (4.4.2.3.1): 1996
8	Mechanical	Textile Materials	Fabrics(Woven and Non Woven)	MSCN Fabric	Radar Transmission Loss	MIL-PRF-53134 (4.4.2.4): 1996
9	Mechanical	Textile Materials	Fabrics(Woven and Non Woven)	MSCN Fabric	UV/NIR Reflectance (%)	MIL-PRF-53134 : 1996
10	Mechanical	Textile Materials	Medical Textiles	Medical Testing (PU Coated Nylon Fabric, Laminated Polypropylene Spunbond fabric)	Resistance of Protective Clothing Materials to Penetration by Blood and Body Fluids — Test Method Using Synthetic Blood	ISO 16603: 2004
11	Mechanical	Textile Materials	Others	Elastic Tapes	Accelerated Ageing	IS 9686 Clause 4.4 (A-3): 1980 (RA 2017)
12	Mechanical	Textile Materials	Others	Rubber Solution	Adhesive Strength by Stripping	IND/GS/1535: 1997
13	Mechanical	Textile Materials	Others	Rubber Solution	Adhesive Strength in Shear	IND/GS/1535: 1997
14	Mechanical	Textile Materials	Others	Fabrics	Air Permeability in Fabrics for Parachute	IS 11056: 2013 (RA 2022)

15	Mechanical	Textile Materials	Others	HDPE Dot Printed Interlining	Bond Strength (Kgs) Fusing Condition	IND/TC/2089 (a) : 1986
16	Mechanical	Textile Materials	Others	Nylon Cords	Breaking Load 15 cm between grip in N	IS 4227: 2024
17	Mechanical	Textile Materials	Others	Threads Finished	Breaking Load of Sewing Thread Finished	IS 1670: 2025
18	Mechanical	Textile Materials	Others	Textile item	Breaking Load of Tyre yarns, cords, and Tyre cords warp sheet made from man-made fibre	IS 4910 (Part-3) : 2023
19	Mechanical	Textile Materials	Others	Ropes, Cordages, Fabrics & MSCN Fabric	Breaking Strength	IS 7071 : 2021
20	Mechanical	Textile Materials	Others	Textile Fabrics	Breaking Strength (Ravelled Strips)	IS 1969 (Part 1) : 2018
21	Mechanical	Textile Materials	Coated fabrics	TPO Coated Fabric	Adhesion Strength (After Ageing)	IS:7016 Pt. 5 : 2019 & IS 7016 Pt 8 : 2023
22	Mechanical	Textile Materials	Others	Netting	Bursting Strength	IS: 1966 (Pt-1) : 2022
23	Mechanical	Textile Materials	Others	Textile Fabrics	Cone Test	IS 6803: 1972 (RA 2013)

24	Mechanical	Textile Materials	Others	Ropes & Cordage	Construction (cabled)	Visual
25	Mechanical	Textile Materials	Others	Nylon Cords	Core Looping Tendency	IS 4227 : 2024
26	Mechanical	Textile Materials	Others	Textile Fabrics	Count of Yarn removed from Fabrics	IS 3442: 2023
27	Mechanical	Textile Materials	Others	Elastic Tapes	Determination of Limit of useful Extension (LUE) at 50% extension	IS 9686 Clause 4.4 (A-6): 1980 (RA 2017)
28	Mechanical	Textile Materials	Others	Elastic Tapes	Determination of Load for 50% Extension (after Ageing)	IS 9686 Clause 4.4 (A-6): 1980 (RA 2017)
29	Mechanical	Textile Materials	Others	Elastic Tapes	Determination of Load for 50% Extension (Before Ageing)	IS 9686 Clause 4.4 (A-6): 1980 (RA 2017)
30	Mechanical	Textile Materials	Others	Ropes & Cordages	Dia(mm)	IS 7071 : 2021
31	Mechanical	Textile Materials	Others	Polythene Film	Elongation at Break	IS:2508: 2024
32	Mechanical	Textile Materials	Others	Nylon Cords	Elongation at Break %	IS 4227: 2024

33	Mechanical	Textile Materials	Others	Elastic Tapes	Fatigue Test	IS 9686 Clause 4.4 (A-8) : 1980 (RA 2017)
34	Mechanical	Textile Materials	Others	Plastic Slide Fasteners	Fold over Security of textile chains	IS 14181 (part 1 to 3) Annex C : 2002 (RA 2019)
35	Mechanical	Textile Materials	Others	Rubber Stud	Hardness (Shore-A)	ASTM D2240: 2015
36	Mechanical	Textile Materials	Others	Ropes and Cordages	Length of Lay	IS 7071 : 2021
37	Mechanical	Textile Materials	Others	Ropes and Cordages	Linear Density	IS 7071 : 2021
38	Mechanical	Textile Materials	Others	Nylon Cords	Linear Density of Yarns	JSS 4020-09 : 2013 (Rev 3)
39	Mechanical	Textile Materials	Others	Textile Fabrics	Linear Density of Yarns Spun on Cotton System	IS 1315: 2025
40	Mechanical	Textile Materials	Others	Button Plastic	Load Test	IS:8543 (Pt.XIII/sec.1): 1977 (RA 2020)
41	Mechanical	Textile Materials	Others	Nylon Cords	Mass	JSS 4020-09 : 2013 (Rev 3)

42	Mechanical	Textile Materials	Others	Ropes and Cordages	Mass	IS 7071 : 2021
43	Mechanical	Textile Materials	Others	Textile Fabric	mass / unit Length and mass / unit area	IS: 1964: 2001 (Rev 2)
44	Mechanical	Textile Materials	Others	Ropes & Cordages	Mass in kg/100 m	IS 7071 : 2021
45	Mechanical	Textile Materials	Others	Nylon Cords	No. of Ends	JSS 4020-09 : 2013 (Rev 3)
46	Mechanical	Textile Materials	Others	Netting Mosquito	No. of Holes on Base Bias	IS 1431 Appendix A : 1973 (RA 2021)
47	Mechanical	Textile Materials	Others	Nylon Cords	No. of Plates/dm	JSS 4020-09 : 2013 (Rev 3)
48	Mechanical	Textile Materials	Others	Ropes & Cordages	No. of Seration per mm Width	IND/TC/2324 (b) Appx. B: 1996
49	Mechanical	Textile Materials	Others	Nylon Cords	No. of Spindle	JSS 4020-09 : 2013 (Rev 3)
50	Mechanical	Textile Materials	Others	Hook & Loop Tape	Peeling Strength	IS 8156 Clause 7.2: 2024

51	Mechanical	Textile Materials	Others	Textile Fabrics	Pilling Resistance Test	IS 10971 (Part 1): 2022
52	Mechanical	Textile Materials	Others	Textile Fabrics	Pressure Head Test	IS 6803: 1972 (RA 2013) & Appex 'E' of IS 1389-1984
53	Mechanical	Textile Materials	Others	Triangular D Ring for Cargo Parachute	Proof load in Triangular D Ring	JSS 1670-03: 2024
54	Mechanical	Textile Materials	Others	Textile Fabrics	Recovery from creasing of Textile Fabrics by measuring the angle of recovery	IS 4681: 1981 (RA 2023)
55	Mechanical	Textile Materials	Others	Plastic Slide Fasteners	Remeshability of Fasteners	IS 14181 (part 1 to 3) Annex N: 2002 (RA 2019)
56	Mechanical	Textile Materials	Others	Coated & MSCN Fabrics	Resistance Damage by Flexing	IS 7016 (Pt.IV): 2003 (RA 2023), Method 'A'
57	Mechanical	Textile Materials	Others	PLASTIC SLIDE FASTNERS	Resistance to Abrassion	IS 14181 (part 1 to 3) : 2002 (RA 2019)
58	Mechanical	Textile Materials	Others	Tapes & Webs	Resistance to Accelerated Ageing	ADRDE/SPECN/70 (b) & 69 (a) Appdx-C: 2000, Method 'B'
59	Mechanical	Textile Materials	Others	Coated & MSCN Fabrics	Resistance to Accelerating Ageing at temp.70 ± 1 °C	IS 7016 (Pt.VIII): 2023

60	60	Textile Materials	Others	Coated & MSCN Fabrics	Resistance to Low Temp. at -40 °C	IS 7016 (Part 10): 2022
61	Mechanical	Textile Materials	Others	Plastic Slide Fasteners	Security of Attachment of Bottom Stop	IS 14181 (part 1 to 3) Annex E : 2002 (RA 2019)
62	Mechanical	Textile Materials	Others	Plastic Slide Fasteners	Security of Attachment of Puller to Slider	IS 14181 (part 1 to 3) Annex H: 2002 (RA 2019)
63	Mechanical	Textile Materials	Others	Plastic Slide Fasteners	Security of Attachment of Retainer Longitudinal Load (open end)	IS 14181 (part 1 to 3) Annex F: 2002 (RA 2019)
64	Mechanical	Textile Materials	Others	Plastic Slide Fasteners	Security of Attachment of Retainer to Lateral load (open end)	IS 14181 (part 1 to 3) Annex G: 2002 (RA 2019)
65	Mechanical	Textile Materials	Others	Plastic Slide Fasteners	Security of Attachment of Top stop	IS 14181 (part 1 to 3) Annex D: 2002 (RA 2019)
66	Mechanical	Textile Materials	Others	Plastic Slide Fasteners	Security of Interlocking of Textile chain to Lateral Load	IS 14181 (part 1 to 3) Annex B: 2002 (RA 2019)
67	Mechanical	Textile Materials	Others	Plastic Slide Fasteners	Security of Slider Lock holding	IS 14181 (part 1 to 3) Annex J : 2002 (RA 2019)
68	Mechanical	Textile Materials	Others	Hook & Loop Tape	Shear Strength after Endurance (Width wise)	IS 8156 Clause 7.4: 2024

69	Mechanical	Textile Materials	Others	Hook & Hoop Tapes	Shear Strength Before Endurance (Width wise)	IS 8156, Clause 7.2: 2024
70	Mechanical	Textile Materials	Others	Hook & Loop Tapes	Shearing Strength after Endurance (Length wise)	IS 8156 Clause 7.2: 2024
71	Mechanical	Textile Materials	Others	Hook & Loop Tape	Shearing Strength Before Endurance (Length wise)	IS 8156 Clause 7.2 : 2024
72	Mechanical	Textile Materials	Others	Nylon Cords	Sheath Slackness	IS 4227: 2024
73	Mechanical	Textile Materials	Others	Tapes & Webs	Stiffness (Drop Angle) of Tape Nylon UVR-WR Treated	ADRDE/SPECN/70 (b): 2000
74	Mechanical	Textile Materials	Others	Textile Fabrics	Tear strength by the falling Pendulum Method	IS 6489 (Part 1): 2011
75	Mechanical	Textile Materials	Others	Textile Fabrics	Tear Strength of Coated and Treated Fabrics	IS 7016 (Part III): 2022, Method 'A1 / A2)
76	Mechanical	Textile Materials	Others	Polythene Film	Tensile Strength at Break	IS:2508: 2024
77	Mechanical	Textile Materials	Others	Elastic Tapes	Tension Decay under constant Stretch (after Ageing)	IS 9686: 1980 (RA 2017)

78	Mechanical	Textile Materials	Others	Elastic Tapes	Tension Decay under constant stretch (Before Ageing)	IS 9686 Clause 4.4 (A-7): 1980 (RA 2017)
79	Mechanical	Textile Materials	Others	Plastic Slide Fasteners	Textile chain Thickness	IS 14181 (part 1 to 3) Clause 8.1 : 2002 (RA 2019)
80	Mechanical	Textile Materials	Others	Plastic Slide Fasteners	Textile chain Width	IS 14181 (part 1 to 3) Clause 8.1: 2002 (RA 2019)
81	Mechanical	Textile Materials	Others	Fabrics, Tapes & Elastic tapes	Thickness	IS 7702: 2012 (RA 2021)
82	Mechanical	Textile Materials	Others	Textile Fabrics	Threads per Unit Length	IS 1963: 2004 (RA 2018)
83	Mechanical	Textile Materials	Others	Nylon Cords	Twist of Yarns	IS 832 (Part 1): 2011
84	Mechanical	Textile Materials	Others	Coated Fabrics	Water Proofness	IS 7016 (Pt. VII): 2023
85	Mechanical	Textile Materials	Others	Coated Fabric	Water Vapour Transmission	DMSRDE/T&GS/89/377 (d): 1989
86	Mechanical	Textile Materials	Others	Coated Fabrics	Weave	PROV/S/3566/RAIN CAPP MP DIS/TC-15(b): 2000

87	Mechanical	Textile Materials	Others	HDPE Dot Coated Interlining	Weave	Visual
88	Mechanical	Textile Materials	Others	Textile Fabrics	Width of Woven Fabric	IS 1954: 2024
89	Mechanical	Textile Materials	Others	Textile Fabrics	Yarn- Elongation at Break of Tyre yarns, cords, and Tyre cords warp sheet made from man-made fibre	IS 4910 (Part-3): 2023

Ordnance Equipment Factory, Hazratpur, Ferozabad- 283103

Chemical Test Parameters

S No.	Discipline Name	Group	Sub Group	Materials or Products Tested	TEST PARAMETER	TEST METHOD
1	Chemical	Textile (Woven & Non woven)	Finished fabric	Fabric	BWR Test	IS:6803-1972 (RA 2006) & IS:392: 1989 (RA 2020)
2	Chemical	Textile (Woven & Non woven)	Finished fabric	Fabric	Shrinkage	Appex 'A' of JSS 8305-5: 2020
3	Chemical	Textile (Woven & Non woven)	Finished fabric	Fabric	Water Repellent Finish Content	Appex 'B' of JSS 8305-5: 2020

4	Chemical	Textile (Woven & Non woven)	Others	Fabrics, Cords, Tapes, Ropes	Blocking	BS 3424 - 11 ,Method 13: 1993
5	Chemical	Textile (Woven & Non woven)	Others	Fabrics, Cord, Ropes, Tapes	Chlorite Test	IND/TC/2562 - Appendix D: 2013
6	Chemical	Textile (Woven & Non woven)	Others	Fabrics, Cords, Ropes, Tapes	Colorfastness to Hydro Test	IND/TC/2562 - Appendix C: 2013
7	Chemical	Textile (Woven & Non woven)	Others	Fabrics, Cord, Ropes, Tapes	Colorfastness to Leveling Test	IND/TC/2562 - Appendix B: 2013
8	Chemical	Textile (Woven & Non woven)	Others	Fabrics, Cord, Ropes, Tapes	Colorfastness to Organic Solvents	ISO 105-X05 : 1994
9	Chemical	Textile (Woven & Non woven)	Others	Fabrics, Cord, Ropes, Tapes	Colorfastness to Rubbing	IS/ISO 105 X12: 2016
10	Chemical	Textile (Woven & Non woven)	Others	Fabrics, Cord, Ropes, Tapes	Colorfastness to Sea Water	ISO 105-E02 : 2013
11	Chemical	Textile (Woven & Non woven)	Others	Fabrics, Cords, Ropes, Tapes	Colour Fastness to Perspiration	IS/ISO 105 E04: 2013
12	Chemical	Textile (Woven & Non woven)	Others	Fabrics, Cords, Ropes, Tapes	Colour Fastness to Washing with Soap or Soap and Soda	IS/ISO 105 (Pt. C-10): 2006 (RA 2021)

13	Chemical	Textile (Woven & Non woven)	Others	Fabrics, Cord, Ropes, Tapes	Dimensional Changes on Soaking in Water	IS 2977: 1989 (RA 2020)
14	Chemical	Textile (Woven & Non woven)	Others	Thread Sewing	Dry Shrinkage '%'	Appendix 'B' of IND/TC/0296(b): 1998
15	Chemical	Textile (Woven & Non woven)	Others	Fabrics, Cords, Ropes, Tapes	Dye Identification (Vat & Disperse)	IS:4472 : 2021
16	Chemical	Textile (Woven & Non woven)	Others	Tape Nylon	Extractable Material	App 'E' of IS:4727: 2020
17	Chemical	Textile (Woven & Non woven)	Others	Fabrics, Ropes, Cords, Tapes	Flame Retardancy Test	IS: 11871: 1986 (RA 2018), Method 'A'
18	Chemical	Textile (Woven & Non woven)	Others	Fabrics, Cords, Ropes & Tapes	Identification of Material	IS: 667: 1981 (RA 2022)
19	Chemical	Textile (Woven & Non woven)	Others	Timber	Moisture Content	IS: 401-2001 & IS: 392: 1989 (RA 2005)
20	Chemical	Textile (Woven & Non woven)	Others	Cotton Thread	Moisture Content(%) by Mass	IS:199 -1989(RA 2005)
21	Chemical	Textile (Woven & Non woven)	Others	Fabrics, Cord, Ropes, Tapes	pH Value of Aqueous Extracts	IS 1390: 2022

22	Chemical	Textile (Woven & Non woven)	Others	Fabrics, Cord, Ropes, Tapes	Proofing Content	IS:6803-1972 (RA 2006)
23	Chemical	Textile (Woven & Non woven)	Others	Fabrics, Cord, Ropes, Tapes	Quantitative Chemical Analysis of Binary Mixture of Polyester Fiber with Cotton or Regenerated Cellulose	IS 3416 : 1988 (RA 2022)
24	Chemical	Textile (Woven & Non woven)	Others	Plastic Slide Fasteners	Resistance to Heat	IS 14181 (Part 1 to 3): 2002 (RA 2019)
25	Chemical	Textile (Woven & Non woven)	Others	Fabrics, Cord, Ropes, Tapes	Scouring Loss in Grey & Finished Cotton Textile Materials	IS 1383: 2023
26	Chemical	Textile (Woven & Non woven)	Others	MSCN Fabric	Shrinkage (%)	IS 1259: 2022
27	Chemical	Textile (Woven & Non woven)	Others	Nylon Tapes	Water Absorbency (%)	App 'D' of ADRDE/Specn/70(b): 2013
28	Chemical	Textile (Woven & Non woven)	Others	MSCN Fabric	Water Absorption (%)	IS:15891 (Pt 6) : 2012
29	Chemical	Textile (Woven & Non woven)	Others	Fabrics,Cords,Ropes, Tapes	Water Repellency (uncoated surface)	IS :390: 2024

30	Chemical	Textile (Woven & Non woven)	Others	Textile Fabric	Water Repellent Test (Cone Test)	IS 7941: 1976 (RA 2004)
31	Chemical	Textile (Woven & Non woven)	Others	Fabrics, Cord, Ropes, Tapes	Water Soluble Matter	IS 3456: 2022
32	Chemical	Textile (Woven & Non woven)	Others	Fabrics, Cords, Tapes, Ropes	Weight of Deproofed Fabrics/ sqm	IS :7016 (Pt.1) : 2022 & BS 3424-1: 1982
33	Chemical	Textile (Woven & Non woven)	Yarns & chords	Sewing Threads	Ash Content	IS:199 -1989 (RA 2005)
34	Chemical	Textile (Woven & Non woven)	Yarns & chords	Nylon Cords	Ash Content (%) by Mass	App 'C' of JSS 4020-06: 2017
35	Chemical	Textile (Woven & Non woven)	Yarns & chords	Nylon Cords	Colourfastness to Washing	App 'A' of JSS 4020-06: 2017

OCFS TEST PARAMETERS				
S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed /	Test Method Specification against which tests are performed and / or the

			Tests or type of tests performed	techniques / equipment used
1	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	FABRICS	COLOUR FASTNESS TO LIGHT	IS: 2454, ISO 105 B02
2	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	FINISHED FABRIC	COLOUR FASTNESS TO PERSPIRATION	ISO 105-E04
3	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	FINISHED FABRIC	DIMENSIONAL CHANGE ON SOAKING IN WATER	IS:2977
4	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Finished Fabric	WATER SOLUBLE MATTER	IS 3456
5	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	FINISHED FABRICS	pH VALUE OF AQUEOUS EXTRACT	IS 1390
6	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	FINISHED FABRICS	SCOURING LOSS	IS:2360(Annex B-6)
7	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	FINISHED FABRICS, GARMENT & APPARELS	COLOUR FASTNESS TO RUBBING	ISO 105 X-12
8	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	FINISHED FABRICS, GARMENT & APPARELS	COLOUR FASTNESS TO WASHING	IS/ISO 105 C10
9	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	FINISHED FABRICS, GARMENT & APPARELS	QUANTITATIVE CHEMICAL ANALYSIS OF BINARY MIXTURES OF NYLON-6 OR	IS:2005

			NYLON-66 AND CERTAIN OTHER FIBERS	
10	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	FINISHED FABRICS, GARMENT & APPARELS	QUANTITATIVE CHEMICAL ANALYSIS OF BINARY MIXTURES OF POLYESTER FIBRE WITH COTTON OR REGENERATED CELLULOSE	IS 3416
11	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	FINISHED FABRICS, GARMENT & APPARELS	QUANTITATIVE CHEMICAL ANALYSIS OF BINARY MIXTURES OF PROTEIN FIBRE WITH CERTAIN OTHER NON-PROTEIN FIBRES	IS :2006
12	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	YARNS	QUANTITATIVE CHEMICAL ANALYSIS OF BINARY MIXTURES OF PROTEIN FIBRE WITH CERTAIN OTHER NON-PROTEIN FIBRES	IS:2006 ,IS:2005 IS : 3416

13	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	YARNS & CHORDS	COLOUR FASTNESS TO ARTIFICIAL LIGHT	ISO:105- B02
14	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	YARNS & CHORDS	COLOUR FASTNESS TO PERSPIRATION	IS/ISO 105- E04
15	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	YARNS & CHORDS	COLOUR FASTNESS TO RUBBING	ISO 105 X12
16	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	YARNS & CHORDS	COLOUR FASTNESS TO WASHING	IS/ISO 105 C10
17	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	YARNS & CHORDS	pH VALUE OF AQUEOUS EXTRACT	IS 1390
18	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	YARNS & CHORDS	QUANTITATIVE CHEMICAL ANALYSIS OF BINARY MIXTURES OF NYLON-6 OR NYLON-66 AND CERTAIN OTHER FIBERS	IS:2005
19	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	YARNS & CHORDS	QUANTITATIVE CHEMICAL ANALYSIS OF BINARY MIXTURES OF POLYESTER FIBRE WITH COTTON OR REGENERATED CELLULOSE	IS 3416

20	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	YARNS & CHORDS	SCOURING LOSS	IS:2360(Annex B-6)
21	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	YARNS & CHORDS	WATER SOLUBLE MATTER	IS 3456
22	MECHANICALTEXTILE MATERIALS	FABRICS (WOVEN AND NON-WOVEN)	BREAKING LOAD (RAVELED STRIP METHOD)	IS 1969
23	MECHANICALTEXTILE MATERIALS	FABRICS (WOVEN AND NON-WOVEN)	MASS PER UNIT LENGTH AND MASS PER UNIT AREA OF FABRICS	IS 1964
24	MECHANICALTEXTILE MATERIALS	FABRICS (WOVEN AND NON-WOVEN)	Resistance of protective clothing materials to penetration by blood and body fluids	ISO 16603
25	MECHANICALTEXTILE MATERIALS	FABRICS (WOVEN AND NON-WOVEN)	WIDTH OF FABRIC	IS :1954
26	MECHANICALTEXTILE MATERIALS	FABRICS (WOVEN AND NON-WOVEN)	THREADS PER UNIT LENGTH IN WOVEN FABRIC	IS 1963 (METHOD A)
27	MECHANICALTEXTILE MATERIALS	Yarn Removed from fabric	Linear density of yarn removed from fabric	IS :3442
28	MECHANICALTEXTILE MATERIALS	YARNS	Breaking load at break of single strand of yarn	IS 1670
29	MECHANICALTEXTILE MATERIALS	YARNS	Twist in yarns	IS 832: Part 1

30	MECHANICALTEXTILE MATERIALS	YARNS	UNIVERSAL COUNT OF WOOLEN AND WORSTED YARN	IS:681
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O.E.F. KANPUR NABL SCOPE				
Sr.No.	Materials or Products Tested	Test name	Specification	Range of Testing/ Limits of detection
	Discipline: Chemical	Group: Leather		
1	Upper And Lining Leather	Determination of Chromic Oxide Content(Wet Oxidation Method)	IS582(LC10):1970	0.5%to10%
2	Upper, Lining And Vegetable Tanned Leather	Determination of Solvent Extractable Substances	IS582(LC4):1970	0.5%to20%
3	Upper, Lining And vegetable Tanned leather	Determination of Water Soluble Matter	IS582(LC6):1970	0.1%@28%
4	Upper, Lining And vegetable Tanned leather	Determination of pH & Difference Figure of Water Soluble Matter	IS582(LC18):1970	02 pH to08 pH
5	Upper Lining And vegetable Tanned leather	Determination of Total Ash	IS582(LC3):1970	0.1%to20%
	Discipline: Mechanical	Group: Leather and Leather Products		
6	Upper and Lining Leather	DETERMINATION OF DOUBLE HOLE STITCH TEAR STRENGTH	IS5914(LP8):1970	10Kg/cmto300Kg/cm
7	Upper and Lining Leather	MEASUREMENT OF TONGUE TEAR TEST	IS5914(LP9):1970	10Kg/cm to 300Kg/cm
8	Upper Leather	FLEXING ENDURANCE	IS5914(LP19):1970	100 Cycles to 500000 Cycles

9	Upper Lining and Vegetable Tanned Leather	METHODS FOR DETERMINATION OF TENSILE STRENGTH	IS5914(LP6):1970	10N/mm ² to60N/mm ²
10	Upper, Lining and Vegetable Tanned Leather	ELONGATION AT BREAK	IS5914(LP6):1970	10%to100%
11	Upper, Lining and Vegetable Tanned Leather	THICKNESS OF TEST PIECES	IS5914(LP1):1970	0.4 mm to 6mm
12	Vegetable Tanned Leather	DETERMINATION OF APPARENT DENSITY	IS5914(LP5):1970	0.5g/cm ³ to 2.0g/cm ³
13	Boot	RESISTANCE OF FOOTWEAR TO FLEXING	SATRA TM92:2016	100 Cycles to 650000 Cycles
14	RUBBER SOLE	DETERMINATION OF ABRASION RESISTANCE USING A ROTATING CYLINDRICAL DRUM DEVICE	ISO:4649: 2024	20mm ³ to250mm ³
	Discipline :Chemical	Group: Textile(Woven & Nonwoven)		
15	Fabric	BLEND COMPOSITION	IS3416:1988	0%to100%
16	Fabric	Bundesmann Test Water Absorption	IS392:1989	0%to80%
17	FABRIC	Bundesmann test water penetration	IS392:1989	0.01 ml to 50 ml
18	FABRIC	CHLORITE TEST	IND/TC/2562 APPENDIX"D":2013	Qualitative: GRADE 1TO 5

19	Fabric	COLOUR FASTNESS TO ARTIFICIAL LIGHT	IS/ISO:105-PartB 02:2014	Qualitative: GRADE 1 TO 7 ON GREY SCALE
20	Fabric	Dimensional Change Due To Soaking In Water(Warp & Weft)	IS2977:1989	0%to10%
21	FABRIC	HYDRO TEST	IND/TC/2562 APPENDIX"C":2013	Qualitative: GRADE 1TO 5
22	Fabric	LEVELLING TEST	IND/TC/2562 APPENDIX"B":2013	Qualitative: GRADE 1TO 5
23	Fabric	WATER REPELLENCY SPRAY RATING TEST	IS390:2024	Qualitative: O TO 100 RATING
24	TEXTILE	COLOUR FASTNESS TO ARTIFICIAL LIGHT	IS/ISO:105-PartB 02:2014	Qualitative:GRADE1TO7
25	TEXTILE	COLOUR FASTNESS TO PERSPIRATION(ACIDIC)	IS/ISO:105-PartE 04:2013	Qualitative:GRADE1TO5
26	TEXTILE	COLOUR FASTNESSTO PERSPIRATION(ALKALIN)	IS/ISO:105-Part E 04:2013	Qualitative:GRADE1TO5
27	TEXTILE	COLOUR FASTNESSTO RUBBING-DRYANDWET	IS/ISO:105-X12: 2016	Qualitative:GRADE1TO5
28	TEXTILE	COLOUR FASTNESS TO WATER	IS/ISO:105 E01: 2013	Qualitative:GRADE1TO5
29	TEXTILE	FIBER IDENTIFICATION	IS667:1981	Qualitative:QUALITATIVE
30	TEXTILE	SCOURINGLOSS	IS1383:2023	0%to5%
31	Textile	Determination of water repellent content	IS2422:2015	0.1%to10%
32	Textiles	Colour fastness to washing	IS/ISO105C10: 2006	Qualitative:Grade1to5
33	Textiles	Determination of Water Soluble Matter	IS3456:2022	0.1%to10%
34	Textiles	Estimation of Moisture	IS199:1989	1%to20%
35	Textiles	Identification of classes of dyes(a)Cotton& Other Celulosic Fibre	IS4472part1:2021	Qualitative

36	Textiles	Identification of classes of dyes(b)Wool, Silk &Other Protein Fibers	IS4472part2:2021	Qualitative
37	Textiles	Identification of classes of dyes(c)Manmade fibers & their blends	IS4472part3:2021	Qualitative
38	Textiles	pH value of queous extract	IS1390:2022	01to14
39	Textiles	Proofing content of canvas and duck	IS6803APPENDIX A:1972	0.5%to30%
40	YARN&CHORDS	COLOUR FASTNESSTO ARTIFICIALLIGHT	IS/ISO:105-PartB 02:2014	Qualitative:GRADE1TO7ONGREY SCALE
	Discipline: Mechanical	Group: Textile Materials		
41	Textiles	Breaking Strength	IS7016(PART2):2022	50Nto5000N
42	Textiles	Breaking Strength	IS1969part1:2018	50Nto5000N
43	Textiles	Breaking Strength of Single Strand	IS1670:1991	7Nto200N
44	Textiles	Linear Density of Yarn	IS1720 (AppendixB3):1978	1000 m/kg to 60000 m/kg
45	Textiles	Linear Density of Yarn	IS1315:1977	1km/kg to 60km/kg
46	Textiles	Mass per unit area	IS7016(Part1Sec2):2019	10gm/m ² to1000gm/m ²
47	Textiles	Mass per unit area	IS1964:2001	10gm/m ² to1000 gm/m ²
48	Textiles	Mass per unit length	IS1964:2001	10g/mto1600g/m
49	Textiles	Resistance to penetration by water of fabric by static pressure head test	IS6803:1972	0l/m ² /hour to 25 l/m ² /hour
50	Textiles	Tearing Strength(Coated &Treated Fabrics)	IS7016part3sec.1:2022	20Nto1000N
51	Textiles	Threads per unit length	IS1963:1981	10/dmto999/dm
52	Textiles	Water Repellency of fabric by Cone Test(b) Penetrated Water	IS7941:1976	1mlto400ml

53	Textiles	Water Repellency of fabric by Cone Test(a) Surface Wetting	IS7941:1976	Qualitative
54	Textile	Bursting Strength	IS 7016 PART6 SECTION2:2022	1 Kg/cm ² to30Kg/cm ²
55	Textile	Bursting Strength	IS1966PART1:2022	1 Kg/cm ² to30Kg/cm ²
56	Textile	Elongation at Break	IS1969PART1:2018	0%to100%
57	Textile	Elongation at Break	IS7071:2021	0%to400%
58	Textile	Fold of Yarn-Weft	IS3442:2023	Qualitative
59	Textile	Fold of Yarn-Warp	IS3442:2023	Qualitative
60	Textile	Mass	IS2387:1969	10 gm/m ² to 1000gm/m ²
61	Textile	Thickness	IS7016PART1 SECTION3:2019	0.001mm to10mm
62	Textile	Thickness	IS2508ANNEXC: 2024	0.001mm to10mm
63	Textile	Thickness	IS7702:2012	0.001mm to10mm
64	Textile	Width	IS1954:2024	0 mm to 1500 mm

O.E.F. KANPUR BOOT TEST PARAMETERS

Sr.No.	Test name	Specification
BOOT TESTS		
1	TEAR STRENGTH (NEWTON)	IS :15298:2011 (Part-1)
2	WATER ABSORPTION (mg/cm ²)	IS :15298:2011 (Part-1)
3	DEABSORPTION (%)	IS :15298:2011 (Part-1)
4	Thickness of outsole rubber without cleat (mm)	IS :15298:2011 (Part-1)
5	Depth of cleat (mm)	IS :15298:2011(Part-1)
6	Density (g/cm ³)	IS :15298:2011(Part-1)
7	Abrasion resistance	ISO:4649:2010
8	Resistance to fuel oil	IS :15298:2011 (Part-1)
9	Flexing Resistance	IS :15298:2011 (Part-1)
10	Bond strength (N/mm)(upper and mid sole)	IS:15298:2011 (Part-1)
11	Penetration resistance	IS:15298:2011 (Part-1)
12	Energy absorption of seat region	IS:15298:2011 (Part-1)
13	Water resistance	IS:15298:2011 (Part-1)
14	SLIP RESISTANCE	IS:15298:2011 (Part-1)
15	Hardness (Shore-A) condition) (skin-on	SATRA TM 205

16	Interlayer bond strength of upper & midsole after hydrolysis of 21 days	IS:15298:2011 (Part-1)
17	Interlayer bond strength midsole & outsole after hydrolysis of 21 days	SATRA TM 411
	Water vapour Transmission Rate	IS 5914/IS 15298 PART 1