

Based on IS Specification - White Shirting

Sl. No.	Specification	Proposed parameters,
1	Colour	White Shade
2	Identification of fibre (IS : 667) Warp way Weft way	Polyester + Cotton Polyester + Cotton
3	% Composition (IS : 3416) Polyester Cotton	67% \pm 2% 33% \pm 2%
4	Ends / dm (ASTM-D3775) Picks/dm	400 + / - 5% 400 + / - 5%
5	Warp Count (Ne) 2 ply doubled Weft Count(Dn) (ASTM-D 1059) Mass (g/m2) - ASTM-D 3776	2/80 ^s + 5% (2ply double spun yarn) 2/80 ^s + 5% (2ply double spun yarn) 105 + 5 % / - 2%
7	Length in metres, min.	4.4 / 4.6 / 5 / 6 mtrs for stitching 2 f/s sh
8	Width in cms (ASTM —D 3774)	90 \pm 1
9	Tensile Strength : a) Warp Strength Kgf.,min. b) Weft Strength Kgf., min.	(IS 1969) - 5 x 20cms Strip size 65 65
10	Crease Recovery Angle , min (IS : 4681) Warp way Weft way	130° 130°
11	Pilling rating IS 10971 (After 18000 revolutions)	4-5
12	Tear Strength (ASTM — D 1424) Warp Tear Strength gf.,min Weft Tear Strength gf.,min	2000 2000
13	Air permeability cfm (ASTM D — 737) min	18
14	% shrinkage to relaxation , max (IS 2977) a) Warp way b) Weft way	1 1
15	% shrinkage (hot condition) at 105° \pm 2° C,max (IS:11248) a) Warp way b) Weft way	2 2
16	pH value of Aqueous extract (IS : 1390)	6 to 8
17	Minimum colour fastness rating to a) Light (IS : 2454) b) Washing (IS : 764) c) Rubbing (IS : 766) d) Perspiration (IS : 971) e) Hot pressing, dry and wet (IS : 689)	4 to 5 4 4 4 4
18	Weave	Plain