

SL	Test Category	Sub Test Category	Standard / Requirement	Found (Ex.)	Method / Parameter	Remarks
1	pH Value: Acidity to Alkalinity (Potential of Hydrogen)	Critical Process based on Item: Waist / Seat / Front Rise / Back Rise / Thigh / Inseam / Side Seam / B-hem	6.5 - 7.5	7.3	AATCC-81 / ISO 3071	Ranges from 0 to 14 on a pH scale & neutral solution is 7.
2	Fabric Weight (A/W)	GSM	(+/- 5%)	255	ASTM D3776 Apparel	GSM / OZ : 33.99
		OZ/Sq.Yd	(+/- 5%)	7.5		
3	Dimensional Stability to Washing: After 3 HL (Shrinkage test)	Critical Process based on Item: Waist / Seat / Front Rise / Back Rise / Thigh / Inseam / Side Seam / B-hem	(+/- 5%) or (+/- 3%)	-3%	AATCC 135 / 150	MaxFleece, French Terry, Rib, Thermal: +/- 7%, MaxWovens: +/- 3%, MaxStretch Woven: +/- 4%, Seersucker: +/- 5%
4	Skewing test: After 3HL	Bowing / Twisting / Spirality / Torque	(+/- 5%)	0	Buyer wise	
5	CF to Washing: After 3HL	Color Change	Grey Scale - 4	Satisfactory Grade range	AATCC 150	General Appearance Acetate / Cotton / Nylon / Polyester / Acrylic / Wool
		Color Staining on Multifiber	Grey Scale - 3			
6	CF to Rubbing / Crocking	Dry (Dark/ Black : 3)	4	L:4-5 & W:4-5	AATCC-8 Apparel	CF : Color Fastness
		Wet (Dark/ Black : 2)	3	L:4 & W:4	ISO 105 X12	
7	Tearing Strength	Warp	4.0 lbs	11.29	ASTM D1424	PDF prepared by
		Weft	3.5 lbs	9.03		
8	Tensile Strength	Warp	40 lbs	179.36	ASTM D5034	textiledetails.com
		Weft	30 lbs	113.59		
9	Seam Strength	Side Seam	22 lbs	37.4 (STB)	ASTM D1683 Modified (Sewn Seam of Woven Apparel)	STB: Sewing Thread Broken
		In Seam		51.5 (STB)		
		Seat Seam		90.0 (FRS)		FRS: Fabric Rupture at Seam
		Crotch		50.0 (STB)		
10	Seam Slippage	Side Seam / Inseam / Seat & Crotch	15 lbs	NSS	ASTM D1683 Modified	NSS : No Seam Slippage.
11	Button Attachment Strength	Btn Waist / Btn Inner Waist Left & Right / Hook Waist / Bar Waist	15 lbs x 10 Sec	Pass	Buyer wise	16 CFR Part 1500.51/52/53 FR : Fabric Rupture