



SC-P1 Special Claim Test Protocol For All Products

Claims	Test Property	Test Method	Test Principle / Requirements
ALL MATERIALS / COMPONENTS MUST COMPLY WITH PREVAILING AFIRM RSL REQUIREMENTS			
Physical Performance			
Antimicrobial Resistance	Antimicrobial Test	AATCC 100	Requirement: min 90% reduction Perform at Original, after 1x, 10x, 20x washes or Original, after 1x, 3x, 5x dry clean (based on care instruction) EPA Registration required
Breathability	Water Vapor Transmission	ASTM E96/E96M Procedure B	Requirement: min. 1000 g/m ² /24h before cleaning, min. 800 g/m ² /24h after cleaning Perform at Original, after 1x, 10x, 20x washes or Original, after 1x, 3x, 5x dry clean (based on care instruction)
Glow in Dark	Glow in Dark Print	- place specimen under light D65 for 1 min -switch off the light and observe	Presence of glow Perform at Original, after 1x, 3x, 5x washes
Instant cooling ability of textile	Qmax Cool Touch Test	FTTS-FA-019	Knit: ≥0.130 (W/cm ²) Woven: ≥0.170 (W/cm ²)
Keeps you warm	Thermal Transmittance	ASTM D1518 option 1	Casual wear: ≥0.4 CLO Jackets / suits: ≥1.5 CLO Cold weather / coats: ≥3.0 CLO
Magic Print	Magic Print (tap water, pool water, sea water)	- immerse sample before cleaning (observe immediately, 5mins, 10mins, 20mins, 30mins, 60mins) - Wash test specimen based on submitted care instruction TP - 95 / JCTM0001 - immerse washed sample to water (observe immediately, 5mins, 10mins, 20mins, 30mins, 60mins)	Appearance of print after immersing specimen Perform at Original, after 1x, 3x, 5x washes
Quick dry	Drying Time	- 5 specimens, each 4 ½" x 8 ½" - Condition samples at least 4 hours at 70° (±2°F) / 65% RH (±2%) - Weigh original samples - Immerse specimens in 1500 ml of distilled water for 5 minutes - Place specimens in washing machine and run for 1 full "normal" spin cycle - Hang specimens on in the conditioned lab and measure the weight after 30 mins.	Requirement: min. 50% after 30 mins evaporation. before and after cleaning Perform at Original, after 1x, 10x, 20x washes or Original, after 1x, 3x, 5x dry clean (based on care instruction)
	Water Absorbency	AATCC 79	Requirement: max. 5 sec. before and after cleaning Perform at Original, after 1x, 10x, 20x washes or Original, after 1x, 3x, 5x dry clean (based on care instruction)



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Stain/Soil resistance	Soil Release	AATCC 130	Requirement: min. 4.0 before cleaning, min. 3.5 after cleaning Perform at Original, after 1x, 10x, 20x washes or Original, after 1x, 3x, 5x dry clean (based on care instruction)
	Oil Repellency	AATCC 118	Requirement: min. 6.0 before cleaning, min. 4.0 after cleaning Perform at Original, after 1x, 10x, 20x washes or Original, after 1x, 3x, 5x dry clean (based on care instruction)
Temperature ratings for cold weather clothing	Protects you at low temperature	ASTM F2732	Data only
Trademark of Fiber/Fabric	Fiber Contents of Trademark Fiber/fabric	As per Owner of trademark	Must conform within $\pm 3.0\%$ of labeled claim (Blends); 0% (one fiber) Fibre recommendation : one recommendation is provided for all three markets Certificate/Test report from original yarn/fabric supplier for proof of purchase is required
UV Protection	UV Protection	AATCC 183, ASTM D6554, ASTM D6603	UV Protection Labeling UPF values 40 or greater - Excellent UV-protection Category UPF values between 25 and 39 - Very Good UV-protection Category UPF values between 15 and 24 - Good UV-protection Category *Test needs to be done in Lightest color of fabric *With UPF claimed which is contributed by UPF treatment - Test at original and after ASTM D6544 Preparation of Textile Prior of Ultraviolet Transmission (40 washes + 100 FU Light Test + CF to Chlorinated Water) *With UPF claimed but no UPF treatment i.e. contributed by fabric structure - Test at original stage only
Water proof	Water Resistance (Hydrostatic Pressure Test on Fabric and Garment)	AATCC 127	Requirement: min. 3000mm (Fabric, Taped Garment Seams) Perform at Original, after 1x, 5x washes or Original, after 1x, 3x dry clean (based on care instruction)
Water resistance	Water Resistance (Rain Test)	AATCC 35	Perform at Original & After 1 cycle of claimed care Requirement <1 gram
	Water Repellency (Spray Test)	AATCC 22	Perform at Original & After 1 cycle of claimed care Requirement 90 before cleaning, 80 after cleaning
Wicking	Wicking	AATCC 197 option B	Requirement: min. 12cm after 30 mins (in both direction) Perform at Original, after 1x, 10x, 20x washes or Original, after 1x, 3x, 5x dry clean (based on care instruction)
	Water Absorbency	AATCC 79	Requirement: max. 5 sec. before and after cleaning Perform at Original, after 1x, 10x, 20x washes or Original, after 1x, 3x, 5x dry clean (based on care instruction)
Wind resistance	Air permeability	ASTM D737	Requirement: Wind proof: < 1 mm/s, Wind resistance: 1 - 3 mm/s Perform at Original, after 1x, 10x, 20x washes or Original, after 1x, 3x, 5x dry clean (based on care instruction)
Wrinkle Free/Easy Care	Appearance of Apparel after Repeated Home Laundering	AATCC 124,143, 88	Class 3.5 (Fabric, Seam, Crease) Smoothness Appearance (fabric surface) / Appearance of Seams. Report at Original, after 1x, 5x washes or Original, after 1x, 3x dry clean (based on care instruction)