Shelter-Rite® ARCHITECTURAL FABRICS By Seaman Corporation

Seaman Corporation Material Specification

9032 Architectural Fabric

Minimum Specifications

Physical Property	Test Method	Imperial	Metric
Base Fabric	type	Polyester	
Base Fabric Weight	ASTM D751 (Nominal)	10 oz/ yd^2	340 g/ m^2
Finished Coated Weight	ASTM D751	32 oz/ yd^2 +2/-1 oz/ yd^2	1085 g/ m^2 +70/-35 g/ m^2
		NOTE: Weight of opaque/colored fabrics may be up to 4 oz/yd^2 (140 g/m^2) heavier	
Tear Strength	ASTM D751 Trapezoid Tear - Warp/Fill	100/ 100 lbf	445/ 445 N
Breaking Yield Strength	ASTM D751 Procedure A Grab Tensile - Warp/Fill	840/ 840 lbf	3740/ 3740 N
Strip Tensile	ASTM D 751 Procedure B	650/ 650 lbf/ in	5700/ 5700 N/ 50mm
Adhesion	ASTM D 751 Dielectric Weld	10 lbf/ in	90 N/ 50 mm
Hydrostatic Resistance	ASTM D 751 Method A	500 psi	3.45 Mpa
Dead Load Seam Strength	ASTM D 751 4 hour test @ 160° F (71° C) 4 hour test @ 70° F (21° C)	266 lbf/ in 133lbf/ in	1180 N/ 25 mm 590 N/ 25 mm
Low Temperature Resistance	ASTM D 2136 Low Temperature Bend 1/8" (3.2 mm) mandrel, 4 hr	LTC Pass @ -40˚ F	Pass @ -40˚ C
Flame Resistance	Meets NFPA 701, method 2 | ULC-S109 | ASTM 6413 - 2 second flameout Registered by California Fire Marshal (No. F-095301) ASTM E84-21a - flame spread index ≤25, smoke development rating ≤450		

Seaman Corporation

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Biaxial Stretch Test Results