Shelter-Rite® ARCHITECTURAL FABRICS By Seaman Corporation

Seaman Corporation Material Specification

3820 Architectural Fabric

Minimum Specifications

Physical Property	Test Method	Imperial	Metric
Base Fabric	type	Polyester	
Base Fabric Weight	ASTM D751 (Nominal)	5 oz/ yd^2	170 g/ m^2
Finished Coated Weight	ASTM D751	20 oz/ yd^2 +2/-1 oz/ yd^2	678 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	
Breaking Yield Strength	ASTM D751 Procedure A Grab Tensile - Warp/Fill	375/ 325 lbf	1670/ 1445 N
Strip Tensile	ASTM D 751 Procedure B	300/ 275 lbf/ in	2630/ 2410 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
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-010302) ASTM E84 & ULC-S102 - flame spread index ≤25, smoke development rating ≤450 FED-STD-191 Method 5903 – 2 second flameout		

Seaman Corporation

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Revision 3 | Issued March 2026

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Biaxial Stretch Test Results