

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		

Unless stated otherwise, values presented here represent the minimum expected measurements at the time of manufacture. We believe this information is the best currently available on the subject. We offer it as a suggestion in any appropriate experimentation you may care to undertake. It is subject to revision as additional knowledge and experience are gained. We make no guarantee of results and assume no obligation or liability whatsoever in connection with this information.

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Biaxial Stretch Test Results

