

# 8421 Architectural Fabric

## Minimum Specifications

Physical Property	Test Method	Imperial	Metric
Base Fabric	type	Polyester	
Base Fabric Weight	ASTM D751 (Nominal)	5 oz/ yd <sup>2</sup>	170 g/ m <sup>2</sup>
Finished Coated Weight	ASTM D751	21 oz/ yd <sup>2</sup> +2/-1 oz/ yd <sup>2</sup>	712 g/ m <sup>2</sup> +70/-35 g/ m <sup>2</sup>
NOTE: Weight of opaque/colored fabrics may be up to 4 oz/yd <sup>2</sup> (140 g/m <sup>2</sup> ) heavier			
Tear Strength	ASTM D751 Trapezoid Tear - Warp/Fill	50/ 60 lbf	220/ 270 N
Breaking Yield Strength	ASTM D751 Procedure A Grab Tensile - Warp/Fill	375/ 350 lbf	1670/ 1560 N
Strip Tensile	ASTM D 751 Procedure B	350/ 325 lbf/ in	3070/ 2850 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)	106 lbf/ in 53lbf/ in	470 N/ 25 mm 235 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   ASTM 6413 - 2 second flameout Registered by California Fire Marshal (No. F-101377) ASTM E84 - flame spread index ≤25, smoke development rating ≤450		

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.