Shelter-Rite® ARCHITECTURAL FABRICS By Seaman Corporation

Seaman Corporation Material Specification

3820 HLT High Light Transmission Fabric

Preliminary 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
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 | ASTM 6413 - 2 second flameout FED-STD-191 Method 5903 – 2 second flameout		
Light Transmission	Visible light transmission (400nm to 700nm): 64% UV light transmission (360nm to 400nm): less than 6%		
Warranty	Material tested to ASTM G155 Xenon Weatherometer for 10,000 hours measured color change of less than Delta E of 5.0 after weathering.		

Seaman Corporation

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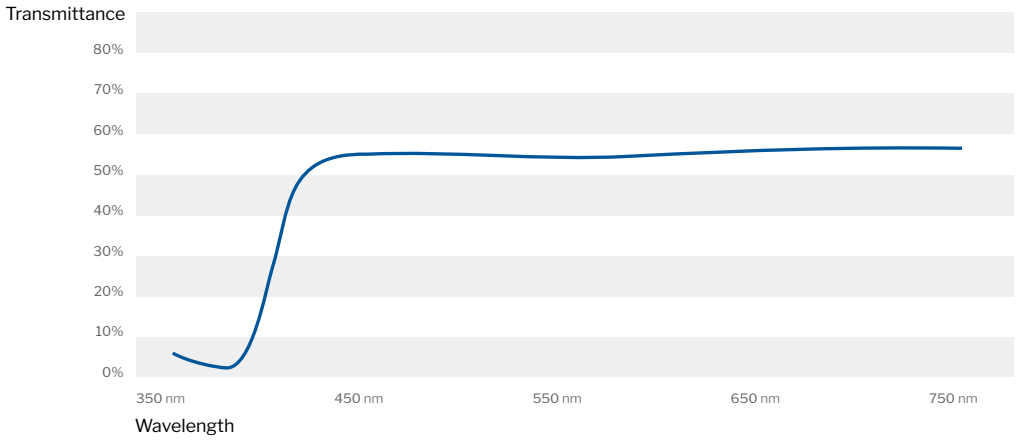
3820 HLT Architectural Fabric

Light Transmission



Average Light Transmission over Visible Light Spectrum (400-700 nm) is **64%**

UV Light Transmission (360-400 nm) is **less than 6.0%**

Long-Term Performance

3820 HLT (High Light Transmission)
is protected with a UV-blocking top-finish

Provides 10 year weathering performance

- Minimal yellowing/color change over 10 years
- Backed by a 10-year warranty

3820 HLT Architectural Fabric

Biaxial Stretch Test Results