

Preliminary Specifications

	Standard	Metric
Base Fabric Type	Polyester	Polyester
Base Fabric Weight (nominal)	5.0 oz/yd ²	170 g/m ²
Finished Coated Weight ASTM D751	20.0 oz/yd ² +2/-1 oz/yd ²	678 g/m ² +70/-35 g/m ²
Grab Tensile ASTM D751	375/325 lb	1669/1446 N
Strip Tensile ASTM D751 Procedure B	300/275 lb/in	263/241 daN/5 cm
Adhesion ASTM D751 Dielectric Weld	10 lb/in	9 daN/5 cm
Hydrostatic Resistance ASTM D751 Procedure A	500 psi	3.45 MPa
Low Temperature ASTM D2136 1/8" mandrel, 4 hr	LTC Pass @ -40° F	Pass @ -40° C
Flame Resistance	Meets NFPA 701; FED-STD-191 Method 5903 – 2 second flameout; ASTM 6413-13 - 2 second flameout;	
Light Transmission	Visible light transmission (400nm to 700nm): 64% UV light transmission (360nm to 400nm): less than 6%	
UV Resistance	Material tested to ASTM G155 Xenon Weatherometer for 10,000 hours; measured color change of less than Delta E of 5.0 after weathering.	
Warranty	Material has a 10 year prorated warranty that covers retention of 70% strip tensile strength and color change less than Delta E of 5.0.	

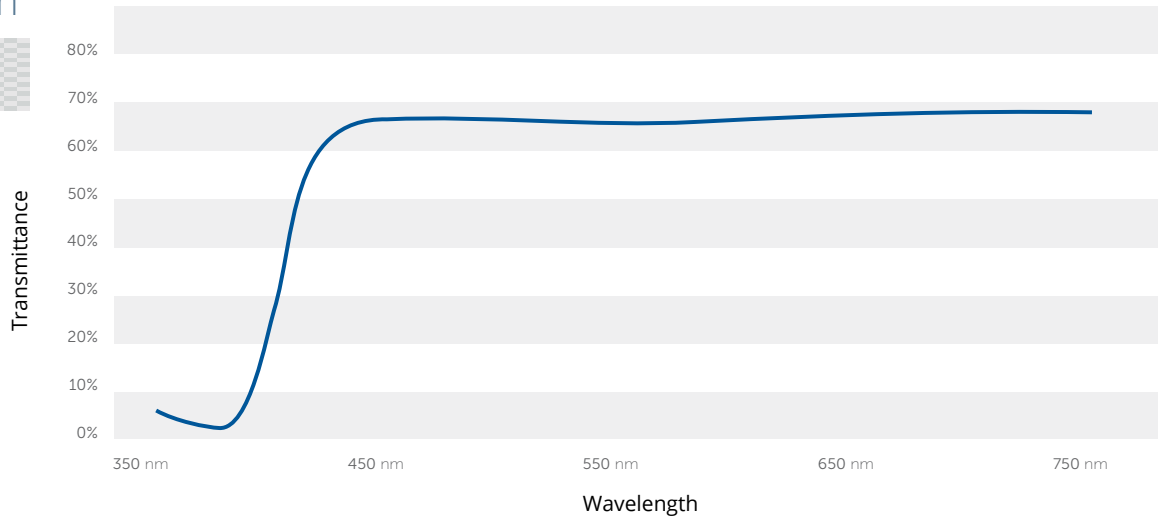
Unless stated otherwise, values presented above represent the minimum expected measurements at the time of manufacture. Biaxial stretch test results are nominal data derived from testing of a limited number of samples under laboratory conditions. We believe this information is the best currently available 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.

Updated: November 2023

3820 HLT

High Light Transmission 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

High Light Transmission Architectural Fabric

Biaxial Stretch Test

