

SHEERFILL® I

SHEERFILL Architectural Membrane is the original permanent tensioned membrane. SHEERFILL I was the first developed and remains the product of choice for applications where a very high strength to weight ratio is required to meet the demands of long spans, and high winds or snow loads.

All SHEERFILL membranes conform to rigid fire and building codes for permanent structures.

Typical Properties

Property	Value	Test Method
Coated Fabric Weight (oz/yd ²)	45.5 nominal	ASTM D4851-88
Thickness (in)	0.036 nominal	ASTM D4851-88
Breaking Strength (lb/in) Strain Rate: 2 in/min		
Warp	1025 min. avg.	ASTM D4851-88
Fill	950 min. avg.	
Breaking Strength (lb/in) After Crease Fold		
Warp	800 min. avg.	ASTM D4851-88
Fill	755 min. avg.	
Trapezoidal Tear (lb)		
Warp	100 min. avg.	ASTM D4851-88
Fill	130 min. avg.	
Solar Transmission (%)	10 nominal	ASTM E424
Solar Reflectance (%)	73 nominal	ASTM E424
Burning Characteristics		
Flame Spread	5 max	ASTM E84
Smoke Generation	5 max	Tunnel Test
Incombustibility of Substrates	Pass	ASTM E136
Fire Resistance of Roof Coverings Spread of Flame & Intermittent Flame	Class A	ASTM E108
Flame Resistance	Pass	NFPA 701, Small Scale
Color	White (after exposure to sunlight)	-
Reinforcement Construction	Warp β150 4/3 Fill β150 4/3	Count W18 x F19

Values listed are for virgin roll goods only. Appropriate industry safety factors need to be used to account for the in-service effects of handling, weathering, etc.

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IMPORTANT: It is the user's responsibility to ensure the suitability, fitness and safety of Saint-Gobain Performance Plastics products for all intended uses and that the components to be used comply with all applicable regulatory requirements. Saint-Gobain Performance Plastics assumes no responsibility or liability for any advice furnished by it or for any product failures that occur due to installation or misuse arising out of the design, fabrication or application of the products into which they are incorporated.

Limited Warranty: Please see the limited warranty available from Saint-Gobain Performance Plastics for details of warranty coverage for the specific SHEERFILL product. If you have questions about the limited warranty, please contact Saint-Gobain Performance Plastics as referenced above.

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