

SHEERFILL® I

SHEERFILL® I Architectural Membrane

SHEERFILL® is the trademark for a family of membranes used in permanent structures. The composite is made of fiberglass and polytetrafluoroethylene (PTFE). SHEERFILL products are available in a range of strengths and light transmission levels, providing the user with a choice of membranes to cover virtually any size structure from a full-sized stadium to a relatively small skylight. All SHEERFILL membranes conform to rigid fire and building codes for permanent buildings.

Saint-Gobain Performance Plastics

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Typical Properties¹

Property	Value	Method
Coated Fabric Weight (oz./yd. ²)	45.5 nominal	ASTM D4851-88
Thickness (inches)	0.036 nominal	ASTM D4851-88
Breaking Strength (lb./in.) (Strain Rate: 2 in./min.)		ASTM D4851-88
Dry, Warp	1025 min. avg.	
Dry, Fill	950 min. avg.	
Breaking Strength After Crease Fold (lb./in.)		ASTM D4851-88
Dry, Warp	800 min. avg.	
Dry, Fill	775 min. avg.	
Trapezoidal Tear (lb.)		ASTM D4851-88
Warp	100 min. avg.	
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 and 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

¹Values 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.



Listed
product ID #15803-5



Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s). SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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