

# 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 Properties<sup>1</sup>

Property	Value	Method
Coated Fabric Weight (oz./yd. <sup>2</sup> )	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

<sup>1</sup>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.



Listed  
product ID #15803-5



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