

## SHEERFILL® Fabrador I

Fabrador is an acoustically absorptive membrane that is used as a liner in SHEERFILL Architectural Membrane systems. Fabrador serves not only to attenuate sound but also to enhance the thermal characteristics of fabric roof systems.

Fabrador materials are translucent, non-burning, porous composites based on fiberglass and PTFE. All SHEERFILL membranes conform to rigid fire and building codes for permanent structures.

### Typical Properties

Property	Value	Test Method
<b>Coated Fabric Weight</b> (oz/yd <sup>2</sup> )	14 nominal	ASTM D4851-88
<b>Thickness</b> (in)	0.014 nominal	ASTM D4851-88
<b>Breaking Strength</b> (lb/in) <b>Strain Rate: 2 in/min</b>		
Warp	375 min. avg.	ASTM D4851-88
Fill	300 min. avg.	
<b>Breaking Strength</b> (lb/in) <b>After Crease Fold</b>		
Warp	300 min. avg.	ASTM D4851-88
Fill	250 min. avg.	
<b>Trapezoidal Tear</b> (lb)		
Warp	35 min. avg.	ASTM D4851-88
Fill	25 min. avg.	
<b>Solar Transmission</b> (%)	22 nominal	ASTM E424
<b>Solar Reflectance</b> (%)	71 nominal	ASTM E424
<b>Burning Characteristics</b>		
Flame Spread	0 max	ASTM E84
Smoke Generation	0 max	Tunnel Test
<b>Incombustibility of Substrates</b>	Pass	ASTM E136
<b>Flame Resistance</b>	Pass	NFPA 701, Small Scale
<b>Sound Absorption</b>		
Octave Band Center		
Frequency, Hz 250 500 1000 2000 4000	NRC	ASTM C423
Absorption Coefficient	0.70	
SABINS/ft <sup>2</sup> (Nominal) 0.80 0.56 0.70 0.72 0.68		
<b>Color</b>	White	-
<b>Reinforcement Construction</b>	Warp β150 2/2 Fill β150 2/2	Count W32 x F23

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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**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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