

## 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> (g/m <sup>2</sup> )	ca. 475	DIN 53352
<b>Greycloth Weight</b> (g/m <sup>2</sup> )	ca. 295	DIN 53854
<b>Yarn</b> (W/F)	132	DIN 53830
<b>Ends/Picks</b> (W/F pro cm)	ca. 13/9	DIN 53853
<b>Tensile Strength</b> (N/5cm)		
Warp	3110 min. avg.	DIN 53354
Fill	2500 min. avg.	
<b>Trap Tear Strength</b> (N)		
Warp	130 min. avg.	DIN 53363
Fill	95 min. avg.	
<b>Translucency at 550 nm</b> (%)	ca. 22	-
<b>Fire Testing</b>	A2-s1-d0	EN 13501
<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>Support Cloth</b>	EC3	DIN 60001
<b>Color</b>	White	-

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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Valid 07/2018 • Supersedes all previous versions  
 PDS.SFFABI(DIN).0718.CFMC