

FABRASORB® IA

FABRASORB® IA Acoustical Membrane

FABRASORB® is the trademark for a family of acoustically absorptive membranes used as liners in SHEERFILL® architectural membrane systems. A FABRASORB membrane serves not only to attenuate sound but also to enhance the thermal characteristics of fabric roof systems. The performance of FABRASORB materials with respect to permanent building codes is consistent with that of SHEERFILL architectural membranes. FABRASORB products are translucent, non-burning, porous composites based on fiberglass and polytetrafluoroethylene.

Saint-Gobain Performance Plastics

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Typical Properties¹

Property	Value	Method
Coated Fabric Weight (oz./yd. ²)	10 nominal	ASTM D4851-88
Thickness (inches)	0.012 nominal	ASTM D4851-88
Breaking Strength (lb./in.) (Strain Rate: 2 in./min.) Dry, Warp Dry, Fill	315 min. avg. 220 min. avg.	ASTM D4851-88
Breaking Strength After Crease Fold (lb./in.) Dry, Warp Dry, Fill	300 min. avg. 210 min. avg.	ASTM D4851-88
Trapezoidal Tear (lb.) Warp Fill	25 min. avg. 20 min. avg.	ASTM D4851-88
Solar Transmission (%)	29 nominal	ASTM E424
Solar Reflectance (%)	65 nominal	ASTM E424
Burning Characteristics Flame Spread Smoke Generation	5 max 15 max	ASTM E84 Tunnel Test
Incombustibility of Substrates	Pass	ASTM E136
Sound Absorption, Octave Band Center Frequency, Hz 250 500 1000 2000 4000 Absorption Coefficient, SABINS/ft. ² (Nominal) 0.80 0.56 0.70 0.72 0.68	NRC 0.55	ASTM C423
Color	White	—
Reinforcement Construction	Warp β 150 1/3 Fill β 150 1/3	Count W32 x F23

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.

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