

SHEERFILL® SGM-50

SGM is a family of shade mesh architectural fabrics used in façade and shading applications. The composite is made of fiberglass and polytetrafluoroethylene (PTFE).

The mesh construction allows for more lighting to enter the space and allows air to circulate through the fabric.

All SHEERFILL membranes conform to rigid fire and building codes for permanent structures.

Typical Properties

Property	Value	Test Method
Coated Fabric Weight (g/m ²)	590 nominal	DIN 53352
Tensile Strength (N/5cm)		
Warp	4000 min. avg.	DIN 53354
Fill	3500 min. avg.	
Trap Tear Strength (N)		
Warp	300 min. avg.	DIN 53363
Fill	300 min. avg.	
Open Area (%)	45 nominal	-
Translucency at 550 nm (%)	50 nominal	-
Fire Testing	A2-s1-d0	EN 13501
Burning Characteristics		
Flame Spread	10 max	ASTM E84
Smoke Generation	15 max	Tunnel Test
Incombustibility of Substrates	Pass	ASTM E136
Flame Resistance	Pass	NFPA 701, Small Scale
Support Cloth	EC6	DIN 60001
Color	White (after exposure to sunlight)	-

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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IMPORTANT: It is the user's responsibility to ensure the suitability, fitness and safety of Saint-Gobain Performance Plastics products for all intended uses and that the components to be used comply with all applicable regulatory requirements. Saint-Gobain Performance Plastics assumes no responsibility or liability for any advice furnished by it or for any product failures that occur due to installation or misuse arising out of the design, fabrication or application of the products into which they are incorporated.

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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