

TECHNICAL DATASHEET: SCE42B Neoprene Foam

PRODUCT DESCRIPTION

Medium/soft, closed cell Neoprene/EPDM/SBR foam.

TYPICAL APPLICATIONS

- Ideal for reducing vibration and sound transmission through wall assemblies
- Commonly used as weatherproofing for skylights, construction and acoustical applications
- Gasketing of cleanrooms, doors, windows, hatches, etc.
- Sports equipment cushioning

PRODUCT FEATURES & BENEFITS

- High and low temperature resistance
- Passes FMVSS-302 requirements

TECHNICAL DATA	VALUE	TEST METHOD / STANDARD
THICKNESS	1/16", 1/8", 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1"	
COLOR	Black	
POLYMER	Neoprene / Ethylene Propylene Diene Monomer (EPDM) / Styrene Butadiene Rubber (SBR)	
COMPRESSION DEFLECTION @ 25%	5 - 9 psi	ASTM D1056
DENSITY	4 - 8 lb/ft ³	ASTM D1056
COMPRESSION SET (MAX)	35%	ASTM D1056
WATER ABSORPTION (MAX)	10%	ASTM D1056
TENSILE STRENGTH	100 psi	ASTM D412
ELONGATION	125%	ASTM D412
COMPRESSION DEFLECTION CHANGE AFTER OVEN AGING (MAX)	±30%	ASTM D1056
THERMAL CONDUCTIVITY	.30 btu/(h·ft ² ·°F)	
FLAME RETARDANT	Yes	
FMVSS-302	Pass .098 or thicker	
MIL-R-6130C	II-A Soft/Medium	
UL 94 HF-1	Listed ¹	
TEAR STRENGTH	9.6 lb/in	ASTM D624
HIGH INTERMITTENT TEMPERATURE	250°F	
SERVICE TEMPERATURE	-40°F to 200°F	
ASTM D1056-07	2A2	
ASTM D1056-67	SCE42	
ASTM D1056-78	RE42	
ASTM D1056 SUFFIX'S	A1, C1, F1, M	

Specifications are believed to be accurate at the time of publication and are subject to change without notice. It is the responsibility of the end-user to test and determine suitability of this material for a particular application. **EV. 0**

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ASTM D6576-07	Type II A, B, C, Soft/Medium
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TECHNICAL DATA	VALUE	TEST METHOD / STANDARD
MIL-C-3133C MIL STD 670B	SCE7	
UL157	Listed	
UL48	Listed	
UL50	Listed	
UL508	Listed	
UL50E	Listed	
RESILIENCE	35%	ASTM D2632

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