

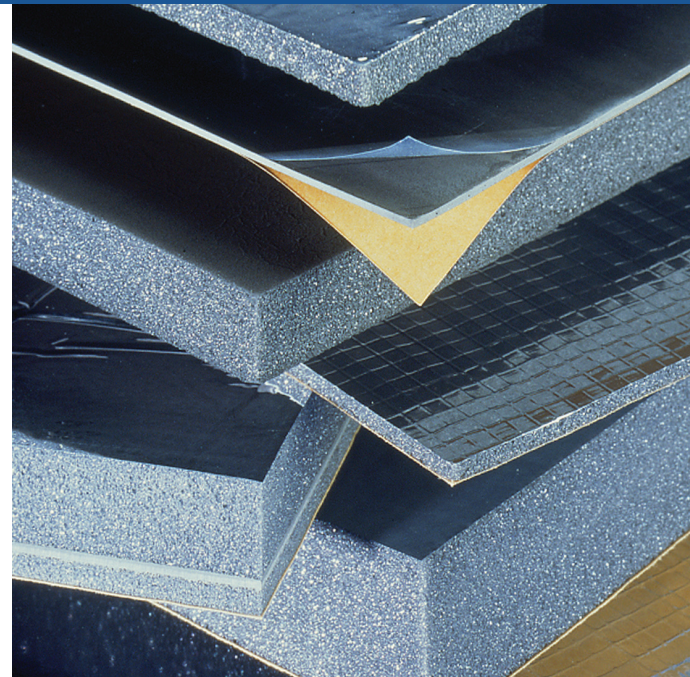


Absorbing Foams

Product Description

TUFCOTE™ acoustical absorbing foams are widely used to reduce noise levels within a given space. These tough urethane foams are easily installed, and are available with a variety of protective facings, in thicknesses to match the environmental needs of most any application.

- Economical, functional sound absorption
- Available in composite form with TUFCOTE barriers and with pressure-sensitive adhesive (PSA) backing
- Select from E-, M-, and H-Series, depending on flammability requirements of your specific equipment



TYPICAL PROPERTIES		X-100SM	X-100RM	X-100BP	X-100SF
Description Top Surface Thickness mm (in.) Nominal		1 mil Alum. Polyester 25.4 (1.0)	1 mil Reinforced Alum. Polyester 25.4 (1.0)	1 mil Black Polyester 25.4 (1.0)	Textured Surface 25.4 (1.0)
Weight Nominal kg/m² (lb/ft²) ASTM D3574	H	0.68 (0.14)	0.68 (0.14)	0.68 (0.14)	0.68 (0.14)
	E	0.65 (0.13)	0.65 (0.13)	0.65 (0.13)	0.65 (0.13)
	M	0.63 (0.13)	0.63 (0.13)	0.63 (0.13)	0.63 (0.13)
Density Nominal kg/m³ (lb/ft³) ASTM D3574	H	27 (1.7)	27 (1.7)	27 (1.7)	27 (1.7)
	E	24 (1.5)	26 (1.6)	26 (1.6)	26 (1.6)
	M	21 (1.3)	22 (1.4)	24 (1.5)	22 (1.4)
Flammability UL 94	H	Listed HF-1	Listed HBF	Listed HF-1	Listed HF-1
	E	Listed HBF			
	M				
FMVSS-302	H	Meets	Meets	Meets	Meets
	E	Meets	Meets	Meets	Meets
	M	Meets	Meets	Meets	Meets
Thermal Conductivity—K Value ASTM C177 W/m•K (BTU in/hr ft ² F)		.040 (0.28)	.040 (0.28)	.040 (0.28)	.039 (0.27)
Tensile Strength kPa (psi) Foam, ASTM D3574 at 23°C (73°F), ambient humidity		103 (15)	103 (15)	103 (15)	103 (15)
aged 70°C (158°F), 100% humid. x 2 wk		110 (16)	110 (16)	110 (16)	110 (16)
Facing, ASTM D882 kPa (psi)		1197 (25,000)	2011 (42,000)	1197 (25,000)	N/A
Tear Strength kN/m (lbf/in) Foam, ASTM D3574		.65 (3.7)	.65 (3.7)	.65 (3.7)	.65 (3.7)
Temperature Range °C (°F) Recommended Service Temperature		-40°C to 107°C (-40°F to 225°F)	-40°C to 107°C (-40°F to 225°F)	-40°C to 107°C (-40°F to 225°F)	-40°C to 107°C (-40°F to 225°F)
RoHS Compliant		Yes	Yes	Yes	Yes



Technical Information

The data listed in this data sheet are typical or average values based on tests conducted by independent laboratories or by the manufacturer. They are indicative only of the results obtained in such tests and should not be considered as guaranteed maximums or minimums. Materials must be tested under actual service to determine their suitability for a particular purpose.

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