



Material Specification Sheet

Material Number: 16400

Description: 4 lbs. / ft.³ Flexible Polyester Urethane Sound Absorption Foam

Applications: 16400 is primarily used for sound absorption, cushioning, vibration damping, and thermal insulation.

Product Construction: Open-Cell Polyester Polyurethane Foam

Typical Physical Properties:

Property	Test Method	Value
Density	ASTM D 3574	3.6 – 4.4 lbs. / ft. ³ , certified
25% Compression Force Deflection	ASTM D 3574	0.45 psi min., certified
Compression Set	ASTM D 3574	15% max
Tensile Strength	ASTM D 3574	12 psi min.
Tear Strength	ASTM D 3574	1.3 pli min.
Elongation	ASTM D 3574	120% min.
Flammability	UL94 HF-1 FMVSS302	Certified @ 3.0 mm Certified
Service Temperature Range	Continuous	-40°F to 250°F (-40°C to 121°C)
Color	N/A	Charcoal

Typical Acoustical Properties:

Sound absorption coefficients given below were obtained by testing per ASTM C 423.

Thickness	Frequency					
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
0.5"	0.02	0.09	0.30	0.84	0.81	0.69
1"	0.05	0.25	0.85	1.05	0.82	0.78

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