

1# Barrier/.25” Polyester

Typical Physical Properties: Barrier

Physical Property	Typical Results
Material	Flexible PVC vinyl
Color	Charcoal grey
Weight	1.0 lb/ft ² ± 0.1 lb/ft ²
Thickness	0.09 in ± 0.01 in
Service Temperature	-40° to 220°F
Chemical Resistance	Excellent for most acids, mild alkalis, oils and grease
Flammability <i>FMVSS 302</i>	Pass

Acoustical Properties

ASTM E90 and E413 on 1 lb/ft² barrier

Frequency (Hz)	125	250	500	1000	2000	4000	STC
TL (dB)	17	19	24	29	34	40	28

Typical Physical Properties: Polyester Foam

Physical Property	Test Method	Typical Results
Material	N/A	Polyester Polyurethane
Color	N/A	Charcoal
Density	ASTM D3574	2.0 lbs/ft ³
Tensile Strength	ASTM D3574	18.0 psi min
Elongation	ASTM D3574	160% min
Tear Resistance	ASTM D3574	1.20 lbs per linear in min
Compression Force Deflection <i>25% Deflection</i> <i>50% Deflection</i>	ASTM D3574	0.35 lb per square in 0.40 lb per square in
Retention of Tensile Strength after 3 hours, 105°C, Steam Autoclave		70% min
Retention of Tensile Strength after 22 hours, 105°C, Steam Autoclave		70% min
Pores per inch		55 ± 5
Temperature Range		-40° to 220°F
Flammability	FMVSS 302 UL-94 HF-1	Pass Pass

Meets the Requirements of RoHS Compliant with European Union REACH

THE VALUES PRESENTED ARE TYPICAL AND ARE NOT INTENDED FOR SPECIFICATION PURPOSES. This information is provided without warrant, representation, inducement or license of any kind. INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE OR PURPOSE, except that is accurate to the best of MILCUT INC. knowledge or obtained from sources believed by MILCUT INC. to be accurate, and MILCUT INC. does not assume any legal responsibility for the use or reliance upon same. Customers are encouraged to conduct their own tests for suitability and conformance.