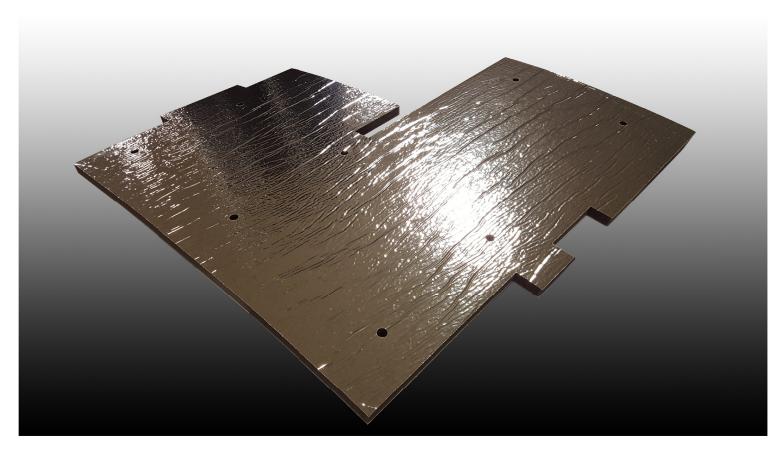


Constantly seeking better ways to be the best®



MilcousticAL

MilcousticAL is an acoustically superior polyether foam with an aluminized mylar facing. The standard MilcousticAL product has an aluminized mylar facing to provide acoustic enhancement, thermal abatement, as well as a deterrent for airborne dirt, lint, mild chemicals, petroleum products or water mist. This product has been developed to provide the best overall acoustic properties (NRC-Noise Reduction Coefficient) possible.

TYPICAL APPLICATIONS:

Phone: 262-783-3300

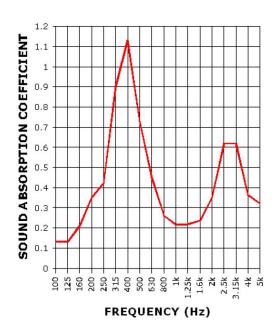
Email: info@milcut.com

- Acoustic Panels
- Generator Enclosures
- Pump, Compressor and Other Mechanical Equipment Enclosures
- HVAC Equipment
- Industrial Machinery and Equipment

Sound Absorption Report of 1" MilcousticAL

Typical Physical Properties

SOUND ABSORPTION REPORT I" MilcousticAL



Sound Absorption Average (SAA) = 0.49 **Noise Reduction Coefficient (NRC) = 0.45**

Physical Property	Test Method	Typical Results: U.S. Standard
Density	ASTM-D3574	$1.80 \pm 10\%$ lbs./ft. ³
Tensile Strength	ASTM-D3574	Min: 12.0 psi Average: 25.0 psi
Elongation	ASTM-D3574	Min: 140% Average: 250%
Indentation Force Deflection 25% Deflection 65% Deflection	ASTM-D3574	Min: 30 lbs./50 in. ² (25%) Average: 40 lbs./50 in. ² (25%) Min: 50 lbs./50 in. ² (65%) Average: 70 lbs./50 in. ² (65%)
Retention of Tensile Strength after 5 hours, 120°C, Steam Autoclave	ASTM-D3574	Min: 70%
Retention of Tensile Strength after 22 hours, 140°C, Dry Heat Aging	ASTM-D3574	Min: 70%
Flammability	FMVSS 302	Pass
Flammability	UL 94	Meets UL94 HF1
Flammability	UL 2200 UL 746C	Pass Pass MilcousticAL-025-A3, MilcousticAL-025-A5, MilcousticAL-025-A5LE, MilcousticAL-050-A3, MilcousticAL-050-A5, MilcousticAL-050-A5LE, MilcousticAL-200-A3, MilcousticAL-200-A5, MilcousticAL-200-A5LE
Antimicrobial Testing	ASTM G21	Pass, Rating: 0

Test Method: ASTM C423-09

1/3 Octave Center Freq. (Hz)	Absorption Coefficient	Total Absorption (Sabins)
31.5	0.06	4.37
40	-0.01	-0.62
50	0.00	-0.24
63	0.06	4.24
80	0.09	6.49
100	0.13	9.62
125	0.13	9.37
160	0.21	15.11
200	0.35	25.28
250	0.42	30.34
315	0.90	65.05
400	1.13	81.39
500	0.73	52.60

1/3 Octave Center Freq. (Hz)	Absorption Coefficient	Total Absorption (Sabins)
630	0.45	32.31
800	0.26	18.76
1000	0.22	15.53
1250	0.22	15.67
1600	0.24	17.00
2000	0.35	25.04
2500	0.62	44.46
3150	0.62	44.65
4000	0.36	26.06
5000	0.32	23.02
6300	0.43	31.00
8000	0.32	23.27
10000	0.25	18.11
12500	0.12	8.45

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