

PRODUCT:

MF-050-X0-RA-00

REV071023NT

PRODUCT DESCRIPTION: Acoustic open-cell melamine foam with reinforced aluminum foil facing.

FACING

Physical Property	Description - Value	Test Method
Material	Foil – Aluminum	
	Reinforcement – Bi-directional 150/0 Fiberglass	
Basis Weight	23.1 lb/ft ² (1106 N/m ²) +/- 10%	Scale
Total Thickness	7.8 mil (0.198 mm) +/- 10%	Micrometer
Foil Thickness	1 mil (0.254 mm) +/- 10%	
Reinforcement	5/in (20/100mm) (Machine or Cross Direction)	
Mullen Burst	45 psi (310 kPa)	ASTM D 774
Tensile Strength	40 lb/in width (7.0 kN/m width)	ASTM C 1136
	Machine or Cross Direction	
Low Temperature Resistance	Remains Flexible with No	ASTM C 1263
	Delamination @ -40 °F (-40 °C)	
High Temperature Resistance	Remains Flexible with No Delamination	10 min @ 401 °F (205 °C)
Water Immersion	No Delamination	48 hours @ 73 °F (23 °C)
Emissivity (Foil Side)	= 0.05</td <td>ASTM E 408</td>	ASTM E 408
Flammability	Self-Extinguishing	FMVSS 302-98

Physical Properties based upon statistical averages.

FOAM

Physical Property	Description - Value	Test Standard
Material	Melamine	
Flammability	Pass	UL 94 HF-1
Temperature Resistance	300 °F (149 °C) Continuous 390 °F (199 °C) Intermittent	
Noise Reduction Coefficients (NRC)	0.80 @ 25 mm thick 0.95 @ 50 mm thick	ASTM C 423



ACOUSTIC PROPERTIES

Absorption Coefficient

For MF-050-X0-RA-00



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