

PRODUCT: DMF-221-X0-UB-57 REV071023NT

PRODUCT DESCRIPTION: Polyether foam and PVC damping sheet with black urethane film facing and pressure sensitive adhesive.

FACING

Physical Property	Description - Value	Test Method
Material	Polyester Polyurethane film/sheet	
Gauge Available	2 mil (0.508 mm)	
Specific Gravity	1.21	ASTM D 792
Shore A Durometer	92	ASTM D 2240
Ultimate Tensile Strength	11,000 psi (75.8 MPa)	ASTM D 882
Ultimate Elongation	500%	ASTM D 882
100% Modulus (MD/CD Avg.)	1,700 psi (11.7 MPa)	ASTM D 882
300% Modulus (MD/CD Avg.)	5,000 psi (34.5 MPa)	ASTM D 882
Tear Resistance (MD/CD Avg.)	500 lb/in (87.6 kN/m)	ASTM D 1004

DAMPER

Physical Property	Description - Value
Material	Polyvinyl Chloride (PVC)
Color	Charcoal Gray
Density	62.4 lb/ft ³ (9.80 N/m ³)
Thickness	0.05 in (1.27 mm)
Service Temperature	-40 to 220 °F (-40 to 104 °C)
Chemical Resistance	Excellent for most acids, mild alkalis, oils and grease

FOAM:

Physical Property	Description - Value	
Material	Polyether Polyurethane Foam	
Color	Charcoal	
Available Thicknesses	0.125 in (3.18 mm) – 4.0 in (102 mm)	
Density	1.80 lb/ft ³ (282 N/m ³) +/- 0.10%	
	Minimum	Average
Elongation	140%	250%
Indentation Force Deflection 25% Deflection	0.6 psi (4.1 kPa)	0.8 psi (5.5 kPa)
Indentation Force Deflection 65% Deflection	1.0 psi (6.9 kPa)	1.4 psi (9.7 kPa)
Retention of Tensile Strength after 5 hours, 120°C, Steam Autoclave	70% minimum	
Retention of Tensile Strength after 22 hours, 140°C, Dry Heat Aging	70% minimum	
Flammability	FMVSS 302, UL 94 HF-1	

Test Methods: ASTM-D3574-[latest revision]. Standard Methods of Testing Flexible Cellular Materials – Slab, Bonded, and Molded Urethane Foam.

ADHESIVE

Physical Property	Description - Value
Material	Low Surface Energy Acrylic
Type	Thin PET film backed PSA
Liner Type	PET Film
Adhesive Thickness	2 mil (0.0508 mm)
Liner Thickness	2 mil (0.0508 mm)
Peel Adhesion 20 min, 180 ° off Stainless Steel	6.22 lb/in (1.09 N/mm)
Loop Tack	8.11 lb/in (1.42 N/mm)
Temperature Resistance	-30 to 250 °F (-34 to 121 °C)

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