

PRODUCT: AF-001-X0-UB-00

REV100323NT

PRODUCT DESCRIPTION: Acoustic open-cell polyester foam with urethane film facing.

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

FOAM

Physical Property	Description - Value	
Material	Polyester Polyurethane Foam	
Color	Charcoal	
Available Thicknesses	0.125 in (3.18 mm) - 4.0 in (102 mm)	
Density	2.00 lb/ft ³ (314 N/m ³) +/- 0.10%	
	Minimum	Average
Tensile Strength	18.0 psi (124 kPa)	25.0 psi (172 kPa)
Elongation	170%	220%
Tear Resistance	2.00 lb/in (3.50 N/cm)	2.50 lb/in (4.37 N/cm)
Compression Force Deflection 25% Deflection	0.40 psi (2.8 kPa)	0.50 psi (3.4 kPa)
Compression Force Deflection 50% Deflection	0.45 psi (3.1 kPa)	0.60 psi (4.1 kPa)
Compression Set @ 50%	8% maximum	
Retention of Tensile Strength after 3 hours, 105°C, Steam Autoclave	70% minimum	
Retention of Tensile Strength after 22 hours, 140°C, Dry Heat Aging	70% minimum	
Pores per inch	55 +/- 5	
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.

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