

PRODUCT: AF-021-X0-PC-00

REV100323NT

PRODUCT DESCRIPTION: Acoustic polyether foam with perforated black 14% open area (crush) vinyl facing.

FACING

Physical Property	Description - Value		Test Method
Material	Vinyl Polyester blend		
Coating Type	Single coated flexible vinyl		
Basis Weight	0.12 lb/ft ² (5.7 N/m ²)		ASTM D 751
Thickness	20 mil (0.51 mm)		ASTM D 751
	Warp	Fill	
Grab Tensile	80 lb (356 N)	78 lb (347 N)	ASTM D 751
Trapezoid Tear	12 lb (53 N)	14 lb (62 N)	ASTM D 751
Adhesion	20 lb/in (226 N/cm)	18 lb/in (203 N/cm)	ASTM D 751
Sealing Properties	Dielectric & Thermal		

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	

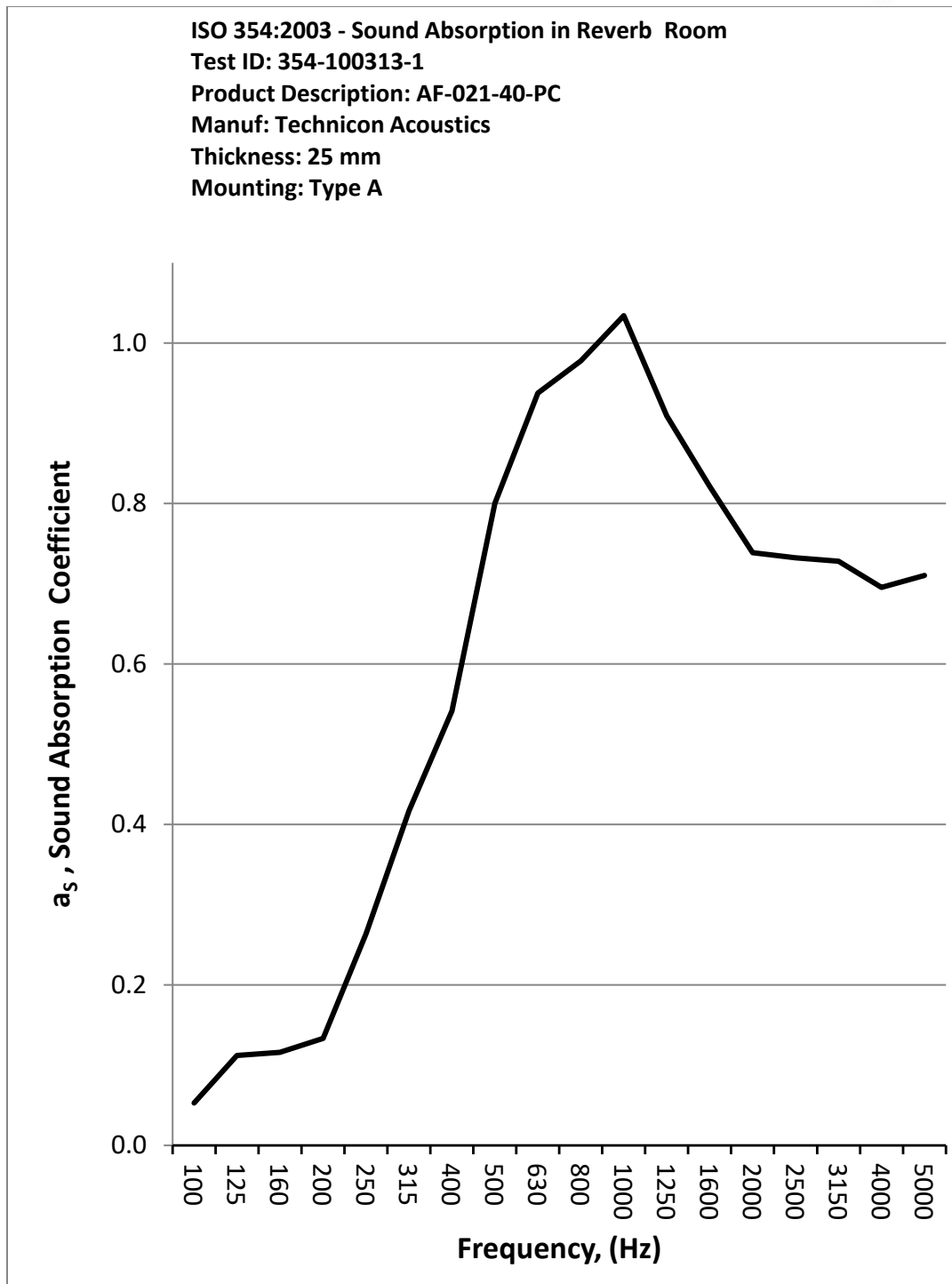
Test Methods: ASTM-D3574-[latest revision]. Standard Methods of Testing Flexible Cellular Materials – Slab, Bonded, and Molded Urethane Foam.

ACOUSTIC DATA

ABSORPTION COEFFICIENT AND NRC to ISO 354

For AF-021-40-PC-92

1/3 Octave Band Frequency [Hz]	Absorption Coefficient (α _s)
125	0.09
250	0.27
500	0.76
1000	0.97
2000	0.76
4000	0.71
NRC	0.71



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