TECHNICON ACOUSTICS
SOUND SCIENCE

PRODUCT: AF-021-X0-NR-00 REV100323NT

PRODUCT DESCRIPTION: Acoustic polyether foam with high noise reduction coefficient facing.

FACING

Physical Property	Description - Value		Test Method
Material	100% Polyethylene Terephthalate		
Coating Color	Black		
Thickness	23 mil (0.58 mm)		ASTM D 5729
Basis Weight	0.0244 lb/ft^2 (1.17 N/m^2)		ASTM D3776
Airflow Resistance	2500 rayls [Pa*s/m]		ASTM C 522
	Machine Direction	**Cross Direction**	
Breaking Force	53 lb/in (600 N/cm)	42 lb/in (470 N/cm)	ASTM D 5035
Elongation	30%	64%	ASTM D 5035
Roll Width	75 in (190.5 cm)		
Flame Retardance	Pass		ASTM D 5123, FMVSS 302

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.