

PRODUCT: VBF-X01-0X-DT-00

REV071023NT

PRODUCT DESCRIPTION: PVC barrier with acoustic polyester foam decoupler layer and black pebble grain deep twist wear surface.

FACING

Physical Property	Description - Value	
Material	Vinyl, Polyester blend	
Flammability	FMVSS 302	
	Minimum	Typical
Thickness	18 mil (0.46 mm)	20 mil (4.78 mm)
Weight	0.117 lb/ft ² (5.6 N/m ²)	0.125 lb/ft ² (5.99 N/m ²)
Grab Tensile (Warp)	70 lb (311 N)	80 lb (356 N)
Grab Tensile (Fill)	70 lb (311 N)	78 lb (347 N)
Trapezoid Tear (Warp)	8 lb (36 N)	12 lb (53 N)
Trapezoid Tear (Fill)	8 lb (36 N)	14 lb (62 N)
Adhesion (Warp)	10 lb/in (113 N/cm)	20 lb/in (226 N/cm)
Adhesion (Fill)	10 lb/in (113 N/cm)	18 lb/in (203 N/cm)

Test Methods: ASTM D 751 Standard Test Methods for Coated Fabrics.

BARRIER

Physical Property	Description – Value
Material	Flexible Polyvinylchloride (PVC vinyl)
Color	Charcoal Gray
Specific Gravity	112 lb/ft ³ (1800 kg/m ³)
Weight Range	0.5 to 2.0 lb/ft ² (2.4 to 9.8 kg/m ²) +/- 10%
Flammability	FMVSS 302
Service Temperature	-40 to 220 °F (-40 to 104 °C)
Chemical Resistance	Excellent for most acids, mild alkalis, oils, and grease

DECOUPLER

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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