

**PRODUCT: VBF-X01-0X-LT-00**

**REV071023NT**

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

### FACING

Physical Property	Description - Value	Test Method
Material	Polyvinyl Chloride (PVC)	
Specific Gravity	1.3 - 1.5	ASTM D 792
Tensile Strength	2600 psi (17.9 MPa) (Machine Direction) 2300 psi (15.8 MPa) (Cross Direction)	ASTM D 412
Elongation	260% (Machine or Cross Direction)	ASTM D 412
Tear Strength	400 lb/in (4500 N/cm) (Machine Direction) 350 lb/in (3950 N/cm) (Cross Direction)	ASTM D 624
Hardness, Shore A	75	ASTM D 2240
Flammability	<3.94 in (100 mm) / min	FMVSS 302

### BARRIER

Physical Property	Description - Value
Material	Flexible Polyvinylchloride (PVC vinyl)
Color	Charcoal Gray
Specific Gravity	112 lb/ft <sup>3</sup> (1800 kg/m <sup>3</sup> )
Weight Range	0.5 to 2.0 lb/ft <sup>2</sup> (2.4 to 9.8 kg/m <sup>2</sup> ) +/- 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 <sup>3</sup> (314 N/m <sup>3</sup> ) +/- 0.10%	
	<b>Minimum</b>	<b>Average</b>
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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