PRODUCT: **VBF-X01-0X-GT-00** **REV071023NT**

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

FACING

Physical Property	Description - Value
Material	Vinyl, Polyester Blend
Coating Distribution	Single-Coated
Total Weight (ASTM D3776)	0.165 lb/ft^2 (7.9 N/m^2)
Trapezoid Tear	46 lb (205 N) (Warp) 47 lb (209 N) (Fill)
Grab Tensile	179 lb/in (2020 N/cm) (Warp) 177 lb/in (2000 N/cm) (Fill)

Test Methods: ASTM-D751 Standard Test Methods for Coated Fabrics (unless otherwise noted).

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.