

PRODUCT: VBP-X91-0X-FB-00

REV071023NT

PRODUCT DESCRIPTION: PVC barrier with acoustic polyester fiber decoupler layer and black vinyl impregnated fiberglass cloth.

FACING

Physical Property	Description - Value		Test Method
Material	Vinyl coated fiberglass		
Color	Black		
Weight	0.0383 lb/ft ² (1.83 N/m ²) +/- 10%		ASTM D 3776
Thickness	7 mil (0.177 mm) +/- 1 mil (0.025 mm)		ASTM D 1777
	Warp	Fill	
Tensile Strength	75 lb/in (850 N/cm)	70 lb/in (790 N/cm)	ASTM D 5035
Tear Strength	2.646 lb (11.77 N)	1.984 lb (8.827 N)	ASTM D 1424
Mullen Burst	200 psi (1400 kPa)		ASTM D 3786
Abrasion Resistance	Wheels – H22 Load – 500 g Revolutions – 200 End point – Break in Yarns		ASTM D 3389
Temperature Resistance	20 to 150 °F (-7 to 66 °C) continuous 225 °F (107 °C) intermittent		
Flame Resistance	Char Length – 2 in (5.08 cm) max Afterglow – 2 s max Flameout – 2 s max		ASTM D 6413

All values are nominal unless otherwise specified.

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	Proprietary fire-resistant fiber blend
Color	Grey
Areal Weight @ 1 in thick	0.143 lb/ft ² (22.5 N/m ²) +/- 10%
Service Temperature	-40 to 350 °F (-40 to 177 °C)
Flammability	Passes FMVSS 302, UL HBF UL 94 HF-1 Listed
Glow Wire Ignition temp	1292 °F (700 °C)
Glow Wire Flam. Index	1382 °F (750 °C)

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