

PRODUCT: VBFF-321-31-AR-94 REV041217

PRODUCT DESCRIPTION: 1 lb/sf PVC barrier with 3/4 inch polyether foam absorber, 1/4 inch foam decoupler and reinforced aluminized polyester facing and pressure sensitive adhesive.

BARRIER

Physical Property	Description - Value	Tolerance
Material	Flexible PVC vinyl (polyvinylchloride)	
Color	Charcoal gray	
Weight	1.0 lb/sf	0.1 lb/sf
Flammability	MVSS-302	
Service Temperature	-40°F to 220°F	
Chemical Resistance	Excellent for most acids, mild alkalis, oils and grease	

FOAM

Physical Property	Description - Value	Tolerance	Test Standard
Material	Polyether Polyurethane Foam	NA	NA
Color	Charcoal	NA	NA
Density	1.8 lb/cf	+ - 0.2	ASTM D3574
Elongation	140%	minimum	ASTM D3574
Tensile Strength	12.0 psi	minimum	ASTM D3574
Tear Strength	1.00 pli	minimum	ASTM D3574
Flammability	MVSS302, UL-94 HF-1, Cal Tech Bull 117, Section A, Part I.		

FACING

Physical Property	Description - Value	Test Standard
Weight	1.9 oz/sy ± 10%	ASTM-D-3776
Thickness	0.007 inch ± 0.001 inch	ASTM-D-1777
Breaking Strength – Warp	25 lbs/inch	ASTM-D-5035
Breaking Strength – Fill	20 lbs/inch	ASTM-D-5035
Tear Strength – Warp	35.27 oz	ASTM-D-1424
Tear Strength – Fill	28.22 oz	ASTM-D-1424
Burst Strength	75 psi	ASTM-D-3786
Beach Puncture	26.5 in/lb	ASTM-D-781
Flame Resistance – Char Length	12 inch max.	FED 191/5903.2
Flame Resistance – Afterglow	5 seconds max.	FED 191/5903.2
Flame Resistance – Flame Out	5 seconds max.	FED 191/5903.2

ADHESIVE

Physical Property	Description - Value	Tolerance	Test Standard
Material	Acrylic		
Type	Unsupported		
Thickness	4 mils	+/- 0.4 mils	
Peel Adhesion	65 oz/inch width		PSTC #101 Method E
Static Shear	7 days		PSTC #107 @72 °F, 1000gm/sq. in (One minute maximum dwell time)
Temperature range	-30 °F to 220 °F	Intermittent to 250°F	On properly cleaned surface
Liner	74 lb		

ACOUSTICAL PROPERTIES

ASTM E90 and E413 for VBFF-322-31-AR-00

Frequency (Hz)	125	250	500	1000	2000	4000	STC
TL (dB)	20	20	23	26	27	42	26

AVAILABLE SIZES

Roll	54" X 25'
Sheet	As Specified

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