



Energy Shield™ - Bubble

MATERIAL DESCRIPTION

Energy Shield Bubble contains 2-layers of 18 oz polyester coated Vinyl around varying layers of Aluminum Coated Bubble Wrap. R Values Range from 4+.

Aluminum Coated Bubble Wrap

MATERIAL DESCRIPTION

Product Description	Two layers of 1/8" barrier bubble film laminated between two layers of reflective metalized film
Contact Temperature Range	-60°F to 180°F (-51°C to 82°C)
Thickness	1/8 inch nominal
Water Vapor Transmission	.02 perms ASTM E96
Puncture Resistance	60 lbs.in
Pliability	No Cracking
Linear Shrinkage	None
Mold and Mildew	No Growth
Flame Spread	0 ASTM E84--08
Smoke Development	40 ASTM E84-08
Fire Rating	Class A/Class 1

* Results above reflect typical performance characteristics of the product listed. This document should not be used as certification to any specification.



18oz Coated Polyester Vinyl - Flame Resistant

MATERIAL DESCRIPTION

Roll Weight	18OZ/YD²
Roll Width	61"
Fiber	Polyester (1000D x 1300D)
Fabric Style	Woven (18 x 17)
Type of Coating	Poly Vinyl Chloride
Coating Distribution	60% front / 40% back
Sealing Properties	<input checked="" type="checkbox"/> Dielectric <input checked="" type="checkbox"/> Thermal

PROPERTY	RESULTS	TEST METHODS Fed. Std. 191A / ASTM	
Grab Tensile	Warp 400 lbs Fill 390 lbs	5100	D5034
Strip Tensile	Warp (2"): 290 lbs Fill (2"): 280 lbs	5102	D5035
Tongue Tear	Warp 90 lbs Fill 85 lbs	5134	D751
Adhesion	Adhesive (1"): 10lbs		
Abrasion (Taber) Wheel: H-18 Load: 1000 gr	1000 Cycle, 70 rpm	5106	D3884
Hydro Resistance	500 PSI	5512	
Low Temperature	-40 degrees F		
Flame Resistance			
Time of After Flame	1.00	5903	
NFPA701 (Large Scale)	Pass	N/A	
NFPA701 (Small Scale)	Pass	N/A	
FAR 25.853 (b)	Pass	N/A	
California Fire Marshall	Pass	N/A	

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