



# ALPHA

engineered composites

145 Lehigh Avenue, Lakewood, NJ 08701  
T: 732.634.5700 F: 732.634.1430 alphainc.com

## ALPHA - ALAFLEX (SCRIM BASE) STYLE 4348 AMA 5/10 PT

### DESCRIPTION

Alpha Alaflex Style 4348 AMA 5/10 PT is a triple ply laminate made with a fiberglass scrim adhered with a fire retardant, thermo-setting adhesive to an aluminized polyester face and an aluminum foil backing.

1. Base Fabric - Fiberglass, 4 x 3 scrim.
2. Adhesive - Fire Retardant, Thermo-Setting.
3. Film - 1/2 mil polyester, aluminized.
4. Foil - Aluminum 1/2 mil

### ADVANTAGES

Aluminum surface (both sides), Excellent vapor barrier.

### APPLICATIONS

Flex Duct Jacketing, Refrigeration liners, Foam Facing.

## PROPERTY DATA STYLE 4348 AMA 5/10 PT

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	2.3 oz/sy $\pm$ 10%	78.6g/m <sup>2</sup> $\pm$ 10%
THICKNESS	ASTM-D-1777	0.007" $\pm$ .001"	0.152 mm $\pm$ .025 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 30 lbs/inch	5.36 kg/cm
		Fill- 25 lbs/inch	4.47 kg/cm
TEAR STRENGTH	ASTM-D-1424	Warp- 24.69 oz.	700 gms.
		Fill- 17.67 oz.	500 gms.
BEACH PUNCTURE	ASTM-D-781	100 units (26.5 in-lbs)	30.5 cm-kg
FLAME RESISTANCE	ASTM-D-6413	Char Length 2 inch max.	5.08 cm max.
		Afterglow 2 sec. max.	2 sec. max.
		Flame Out 2 sec. max.	2 sec. max.
TEMPERATURE RESISTANCE		-40 °F to +400 °F	-40 °C to 204 °C
PERMEABILITY (MVTR)	ASTM-E-96-94	Result - 0.02 Perms	
CORROSION RESISTANCE	ASTM-C-1136	120 °F @95% RH 20 days	
		Result - No Corrosion	49 °C

DATA SHEET: 14009 REV: B DATE: 03/24/14 \*All values are nominal unless otherwise specified.

**Specializing in marine, aerospace, automotive and commercial fabrics for thermal and industrial applications**

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