



# 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 3/10 MO

**DESCRIPTION**

Alpha Alaflex Style 4348 AMA 3/10 MO 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. In this laminate, the aluminum of the polyester is exposed to accept sodium silicate adhesive.

1. Base Fabric - Fiberglass, 4 x 3 scrim
2. Adhesive - Fire Retardant, Thermo - Setting
3. Film - 1/2 mil polyester, aluminized
4. Foil - Aluminum 3/10 mil.

**ADVANTAGES**

Aluminum surface (both sides), Excellent vapor barrier.

**APPLICATIONS**

Flex Duct Jacketing, Refrigeration liners.

PROPERTY DATA  
 STYLE 4348 AMA 3/10 MO

CHARACTERISTIC	METHOD	VALUES*	
		ENGLISH	METRIC
WEIGHT	ASTM-D-3776	1.8 oz/sy ± 10%	61 g/m <sup>2</sup> ± 10%
THICKNESS	ASTM-D-1777	0.006" ± .001"	0.152 mm ± .025 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 30 lbs/inch Fill- 25 lbs/inch	5.36 kg/cm 4.47 kg/cm
TEAR STRENGTH	ASTM-D-1424	Warp- 14.11 oz. Fill- 14.11 oz.	400 gms. 400 gms.
BEACH PUNCTURE	ASTM-C-1136	100 units (26.5 inch-lbs)	3.0 joules
FLAME RESISTANCE	ASTM-D-6413	Char Length 2 inch max. Afterglow 2 sec. max. Flame Out 10 sec. max.	5.08 cm max. 2 sec. max. 10 sec. max.
TEMPERATURE RESISTANCE		-40°F to +300 °F	-40 °C to 149 °C
PERMEABILITY (MVTR)	ASTM-E-96	Result - .02 Perms	
CORROSION RESISTANCE	ASTM-C-1136	120 °F @95% RH 20 days Result - No Corrosion	49 °C
FLAMES SPREAD: UL-723			
		POLYESTER EXPOSED	FOIL EXPOSED
Flames Spread		15	5
Smoke Developed		15	0

DATA SHEET: 14042 REV: E DATE: 4/16/2018 \*All values are nominal unless otherwise specified.

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

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