



# ALPHA

## engineered composites

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### ALPHA - SHIELD STYLE 332 -AMA

#### DESCRIPTION

Alpha Shield Style 332-AMA is a laminate of fiberglass fabric and vacuum metallized polyester film.

#### APPLICATIONS

Alpha Shield Style 332-AMA is designed as a thermal barrier fabric to protect people and equipment from high levels of radiant energy. Its highly reflective surface rejects up to 90% of the heat from sources as high as 3000 °F.

### PROPERTY DATA STYLE 332 -AMA

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>		
		<u>ENGLISH</u>	<u>METRIC</u>	
WEIGHT	ASTM-D-3776	14.0 oz/sq. yd. ± 10%	476 g/m <sup>2</sup> ± 10%	
THICKNESS	ASTM-D-1777	0.015" ± .001"	0.382 mm ± .038 mm	
TENSILE STRENGTH	ASTM-D-5035	Warp-	450 lb./in.	80.4 kg/cm
		Fill-	350 lbs/in.	62.5 kg/cm
TEAR STRENGTH	ASTM-D-5587	Warp-	40 lbs.	18.2 kg
		Fill-	40 lbs.	18.2 kg
FLAME RESISTANCE	ASTM-D-6413	Char Length	.7 inches max.	1.78 cm max.
		Afterglow	1 sec. max.	1 sec. max.
		Flame Out	0 seconds	0 seconds
TEMPERATURE RESISTANCE		-65 °F to +450 °F	-54 °C to 232 °C	
COATING ADHESION	MIL-C-29143 Par. 4	Result = Passes		
REFLECTIVITY	MIL-C-27347A Par. 4	Result = Passes		
BLOCKING	FED STD 191/5872	Result = #1 Scale Rating		

DATA SHEET: 13953 REV: A DATE: 2/22/08 \*All values are nominal unless otherwise specified.

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

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