

ALPHA ASSOCIATES, INC.

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ALPHA - SHIELD
STYLE 7628 - AMA
(PRELIMINARY)



DESCRIPTION

Alpha Shield Style 7628-AMA is a laminate of lightweight fiberglass fabric and vacuum metallized polyester film.

APPLICATIONS

Alpha Shield Style 7628-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.

ADVANTAGES

Alpha Shield Style 7628-AMA is lightweight, economical, flexible and very efficient.

PROPERTY DATA *STYLE 7628 - AMA*

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776-96	7.2 oz/sq. yd. ± 10%	244.8 g/m ² ± 10%
THICKNESS	ASTM-D-1777-96	0.008" ± .001"	0.203 mm ± .025 mm
TENSILE STRENGTH	ASTM-D-5035-95	Warp- 300 lbs/in. Fill- 250 lbs/in.	53.58 kg/cm 44.65 kg/cm
TEAR STRENGTH	ASTM-D-5587-96	Warp- 25 lbs. Fill- 10 lbs.	11.34 kg 4.54 kg
FLAME RESISTANCE	FED 191/5903.2	Char Length .7 inches max. Afterglow 1 sec. max. Flame Out 0 seconds	1.78 cm 1 sec. max. 0 seconds
TEMPERATURE RESISTANCE	FED SPEC HHB-100B	-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 13560

REV A

DATE: 5/10/99

* All values are nominal unless otherwise specified.

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

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