

ALPHA ASSOCIATES, INC.

145 LEHIGH AVENUE LAKEWOOD, N.J. 08701
Phone: (732) 634-5700 Fax: (732) 634-1430

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	7.2 oz/sq. yd. ± 10%	244.8 g/m ² ± 10%
THICKNESS	ASTM-D-1777	0.008" ± .001"	0.203 mm ± .025 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 300 lbs/in. Fill- 250 lbs/in.	53.58 kg/cm 44.65 kg/cm
TEAR STRENGTH	ASTM-D-5587	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

All statements herein are expressions of opinion that we believe to be accurate and reliable, but are presented without guaranty or responsibility on our part. Statements concerning possible use of our products are not intended as recommendations for their use alone or in combination with any materials or elements to infringe any patents. No patent warranty of any kind, express or implied, is made or intended.