

ALPHA ASSOCIATES, INC.

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ALPHA-TEMP
STYLE P444-15A



DESCRIPTION

Alpha Style P444-15A is a two-ply laminate comprised of a fiberglass scrim and a 1.5 mil aluminum foil back.

ADVANTAGES

Aluminum surface (both sides), Excellent vapor barrier properties, Superior strength characteristics. Aesthetically pleasant appearance and broad temperature range.

APPLICATIONS

Style P444-15A is used primarily as a facing material for blanket insulation.

PROPERTY DATA *STYLE P444-15A*

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	3.75oz/sy $\pm 10\%$	127.5 g/m ² $\pm 10\%$
THICKNESS	ASTM-D-1777	0.006" ± 0.001 "	0.152 mm $\pm 10\%$
TENSILE STRENGTH	ASTM-D-5035	Warp- 60 lbs./in. Fill- 50 lbs./in.	10.72 kg/cm 8.93 kg/cm
TEAR STRENGTH	ASTM-D-1424	Warp- 52.91 oz. Fill- 42.33 oz.	1500 gms. 1200 gms.
BEACH PUNCTURE	ASTM D-781-73	100 units (53 in/lbs)	61.0 cm/kg
FLAME RESISTANCE	FED 191/5903.2	Char Length 1/16 inch max. Afterglow 1 second max. Flame Out 1 second max.	0.159 cm max. 1 second max. 1 second max.
TEMPERATURE RESISTANCE	FED SPEC HHB-100B	-65 °F to 265 °F	54 °C to 129 °C
CORROSION RESISTANCE	FED SPEC HHB-100B	No corrosion	
PERMEABILITY: (MVTR)	ASTM E-96	0.02 Perms	
U.V. RESISTANCE		Not Affected	

DATA SHEET 13556

REV B

DATE: 6/21/06

* All values are nominal unless otherwise specified.

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

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