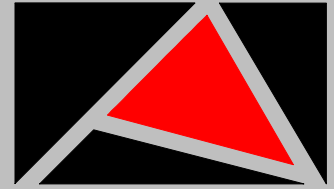


ALPHA ASSOCIATES, INC.

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

ALPHA-TEMP
STYLE PPSA-44



DESCRIPTION

Alpha Style #PPSA-44 is a triple-ply laminate comprised of a white polypropylene face, a fiberglass scrim and an aluminum foil back all laminated with a flame retardant adhesive.

ADVANTAGES

Underwriters Laboratories listed, Excellent vapor barrier properties, Superior strength characteristics. Aesthetically pleasant appearance, Broad temperature range, Can be readily cleaned

PROPERTY DATA STYLE PPSA-44

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776-96	15.6 lbs./1000 SF \pm 10%	76 g/m ² \pm 10%
THICKNESS	ASTM-D-1777-96	0.008" \pm .001"	0.203 mm \pm .025 mm
TENSILE STRENGTH	ASTM-D-5035-95	Warp- 45 lbs./in. Fill- 45 lbs./in.	8.04 kg/cm 8.04 kg/cm
TEAR STRENGTH	ASTM-D-1424-96	Warp- 56.44 oz. Fill- 56.44 oz.	1600 gms. 1600 gms.
MULLEN BURST	ASTM D-3786-87	90 psi	6.30 kg/cm ²
BEACH PUNCTURE	ASTM D-781-68	150 units (39.8 in/lbs)	45.73 cm/kg
CORROSION RESISTANCE	FED SPEC HHB-100B	No corrosion	
TEMPERATURE RESISTANCE	FED SPEC HHB-100B	-65 °F to 265 °F continuous	-54 °C to 129 °C
PERMEABILITY	ASTM E-96-94	0.02 Perms	0.013 metric Perms

FLAME RESISTANCE: (ASTM-E-84 Tunnel)

COMPOSITE RESULTS: FLAME SPREAD = 25, SMOKE DEVELOPED = 50

SHEATHING BURN RESULTS:	POLYPROPYLENE EXPOSED	FOIL EXPOSED
FLAME SPREAD	5	0
SMOKE DEVELOPED	10	0

DATA SHEET 13336

REV F

DATE: 02/12/07

* All values are nominal unless otherwise specified.

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

Note: Alpha's metal-building-insulation facings are produced with plastic films containing ultraviolet (UV) inhibitors. However, intense exposure to UV sources such as direct or indirect sunlight and/or high-output UV lighting is not recommended. Intense UV exposure will degrade the plastic film facing. The information provided in this documentation corresponds to our knowledge on the subject at the date of its publication. Since Alpha Associates, Inc. cannot anticipate all variations in actual end-use conditions, Alpha Associates, Inc. makes no warranties and assumes no liability in connection with any use of this information.