



ALPHA

engineered composites

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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	15.6 lbs./1000 SF \pm 10%	76 g/m ² \pm 10%
THICKNESS	ASTM-D-1777	0.008" \pm .001"	0.203 mm \pm .025 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 45 lbs./in.	8.04 kg/cm
		Fill- 45 lbs./in.	8.04 kg/cm
TEAR STRENGTH	ASTM-D-1424	Warp- 56.44 oz.	1600 gms.
		Fill- 56.44 oz.	1600 gms.
MULLEN BURST	ASTM D-3786	90 psi	6.30 kg/cm ²
BEACH PUNCTURE	ASTM-C-1136	150 units (39.8 inch-lbs)	4.5 Joules
CORROSION RESISTANCE	ASTM-C-1136	No corrosion	
TEMPERATURE RESISTANCE		-65 °F to 265 °F continuous	-54 °C to 129 °C
PERMEABILITY	ASTM E-96	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: G DATE: 12/10/14 *All values are nominal unless otherwise specified.

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

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