



ALPHA

engineered composites

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ALPHA-TEMP STYLE PPSA-44/PS

DESCRIPTION

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

ADVANTAGES

Excellent vapor barrier properties, superior strength characteristics. Aesthetically pleasant appearance, broad temperature range, can be readily cleaned.

PROPERTY DATA STYLE PPSA-44/PS

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	4.4 oz/sy \pm 10%	149 g/m ² \pm 10%
THICKNESS	ASTM-D-1777	0.010" \pm .001"	0.203 mm \pm .025 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 40 lbs./in.	7.14 kg/cm
		Fill- 40 lbs./in.	7.14 kg/cm
TEAR STRENGTH	ASTM-D-14246	Warp- 56.44 oz.	1600 gms.
		Fill- 56.44 oz.	1600 gms.
MULLEN BURST	ASTM-D-3786	75 psi	5.25 kg/cm ²
BEACH PUNCTURE	ASTM-C-1136	100 units (26.5 inch-lbs)	3.0 joules
ADHESION TO S. STEEL	ASTM-D-3330	1.5 lbs/inch min	268 g/cm
CORROSION RESISTANCE	ASTM-C-1258	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

DATA SHEET: 13689 REV: D DATE: 6/24/2015 *All values are nominal unless otherwise specified.

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

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