



ALPHA

high performance fabrics & composites

ALPHA ASSOCIATES, INC. • 145 LEHIGH AVE. • LAKEWOOD, NJ 08701
T: 732.634.5700 • 800.631.5399 • F: 732.634.1430

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

CHARACTERISTIC	METHOD	VALUES*		
		ENGLISH	METRIC	
WEIGHT	ASTM-D-3776	4.4 oz/sy ±10%	149 g/m ² ± 10%	
THICKNESS	ASTM-D-1777	0.010" ±.001"	0.203 mm ± .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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