



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

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

CHARACTERISTIC	METHOD	VALUES*	
		ENGLISH	METRIC
WEIGHT	ASTM-D-3776	15.6 lbs./1000 SF ±10%	76 g/m ² ± 10%
THICKNESS	ASTM-D-1777	0.008" ±.001"	0.203 mm ± .025 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 45 lbs./in. Fill- 45 lbs./in.	8.04 kg/cm 8.04 kg/cm
TEAR STRENGTH	ASTM-D-1424	Warp- 56.44 oz. Fill- 56.44 oz.	1600 gms. 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

All statements herein are expressions of opinion that we believe to be accurate and reliable, but are presented without guaranty or responsibility on our part. Statements concerning possible use of our products are not intended as recommendations for their use alone or in combination with any materials or elements to infringe any patents. No patent warranty of any kind, express or implied, is made or intended.