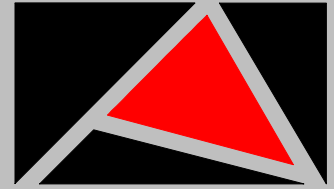


ALPHA ASSOCIATES, INC.

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ALPHA - TEMP (SCRIM BASE)
 STYLE VRP-3 HD



DESCRIPTION

VINYL / SCRIM / METALLIZED PET

*THIS MATERIAL MEETS ALL CRITERIA FOR ASTM-C-1136 03A..TYPES I, II, III, IV & VI

PROPERTY DATA
STYLE VRP-3 HD

CHARACTERISTIC	METHOD	VALUES*	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	32 lbs/1000 sf ± 10%	153 g/m ² ± 10%
THICKNESS	ASTM-D-1777	.010" ± .001"	0.254 mm ± .025 mm
TENSILE STRENGTH	ASTM-C-1136-03a	MD- 60 lbs/inch XD- 35 lbs/inch	10.71 kN/m 6.25 kN/m
ACCELERATED AGING	30 days(95% RH,120 °F)	@ 49 °C No Corrosion No Delamination	No Corrosion No Delamination
BURST STRENGTH	ASTM-D-774	100 psi	7.0 kg/cm ²
BEACH PUNCTURE	ASTM-D-781	150 Beach units	9.77 Joules
WATER IMMERSION	24 hours @ 73°F (23°C)	No Delamination	No Delamination
PERMEABILITY (WVTR)	ASTM-E-96	0.02 Perms	1.15 ng/N's
TEMPERATURE RESISTANCE	FED SPEC HHB-100B	20 °F to 220 °F	-6.7 °C to 104 °C
LIGHT REFLECTIVITY	ASTM C-523	Result-90%	90%
MOLD RESISTANCE	ASTM-C-665	No Growth	No Growth
FIRE TESTING UL 723		COMPOSITE FLAME SPREAD 15 SMOKE DEVELOPED 50	

DATA SHEET 13929

REV D

DATE: 9/21/09

* 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.