

145 Lehigh Avenue, Lakewood, NJ 08701 **T:** 732.634.5700 **F:** 732.634.1430 alphainc.com

VR 10

DESCRIPTION Reinforced Bleached Kraft-Metallized Polypropylene Film Laminate

APPLICATIONS Metal Building Insulation Facing

CERTIFICATIONS Meets all criteria for ASTM C1136 Types I, II, III, IV

UL 723/ASTM E84, ULC-S102M fire testing

COMPOSITION

<u>COMPONENT</u>	DESCRIPTION	<u>VALUES*</u>	
		<u>English</u>	<u>Metric</u>
White Film	Metallized Polypropylene	0.0011 inch	28.0 micron
Adhesive	Flame Resistant		
Reinforcement	Tri-directional Fiberglass	5/inch (MD) 5/inch (CD)	20/100 mm (MD) 20/100 mm (MD)
Kraft	White	12 lb./3000 SF	20 g/SM

TYPICAL PHYSICAL PROPERTIES

		<u>VALUES*</u>	
<u>CHARACTERISTIC</u>	METHOD	<u>ENGLISH</u>	<u>METRIC</u>
BASIS WEIGHT	Scale	18.5 lbs/1000 SF	82.5 g/SM
THICKNESS	ASTM-D-1777	0.009"	229 microns
PERMEABILITY (WVTR)	ASTM-E-96	0.02 Perms	1.15 ng/N's
BURST STRENGTH	ASTM-D-774	100 psi	7.3 kg/cm ²
TENSILE STRENGTH	ASTM-C-1136	50 lbs/inch MD 45 lbs/inch CD	8.75 kN/m 6.13 kN/m
ACCELERATED AGING	30 days @ 95% RH, 120 °F (49°C)	No Corrosion No Delamination	No Corrosion No Delamination
TEMPERATURE RESISTANCE	:	-40 °F to 220 °F	-40 °C to 104 °C
WATER IMMERSION	24 hours @ 73°F (23°C)	No Delamination	No Delamination
MOLD RESISTANCE	ASTM-C-665	No Growth	No Growth
LIGHT REFLECTIVITY	ASTM C523	85%	85%
	Physical properties are based upon nominal values.	Weight / Thickness +/- 10%	
FIRE TESTING	UL723/ASTM E84 Composite Film Kraft		
		25 5 0	

DATA SHEET 14045 REV. E DATE: 10/07/13 *All values are nominal unless otherwise specified.

SMOKE DEVELOPED

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 as these will degrade the plastic film facing.

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