



ALPHA

engineered composites

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

ALPHATEX 1000

<u>Product Composition</u>		<u>English</u>	<u>Metric</u>
Coated Fiberglass Substrate		0.035 inch	0.90mm
Fluoroplastic Coating Compound		14.4 oz/yd ²	490 g/m ²
100% virgin PTFE resin [35% to 40% by weight]			
<u>Physical Property</u>	<u>Test Method</u>	<u>English</u>	<u>Metric</u>
Composite Weight, Nom	Basis Weight	33.0 oz/yd ²	1120 g/m ²
Composite Thickness, Nom	ASTM D1777	.035 inch	0.90mm
Tensile Strength, Min	ASTM D4851	600 lbs/inch (MD) 600 lbs/inch (XD)	6000 N/50mm 6000 N/50mm
Trapezoidal Tear Strength, Min	ASTM D4851	50 lbs/inch (MD) 50 lbs/inch (XD)	222 N [MD] 222 N [XD]
Flexural Endurance [-1]	ASTM D4851 60% to 100%	75% average	
Low Temperature Resistance	ASTM D1790 -75°F [-60°C]	Remains Flexible No Delamination	
High Temperature Resistance	ASTM D1790 +600°F [+316°C]	Remains Flexible No Delamination	
Mold Resistance	ASTM C665 / C1338 ASTM G21 [both sides]	No Growth No Growth	

DATA SHEET: 14145 REV. A DATE: 01/01/12 * 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.