



ALPHA

engineered composites

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ALPHATEX 2000

<u>Product Composition</u>		<u>English</u>	<u>Metric</u>
Coated Fiberglass Substrate		0.043 inch	1.10mm
Fluoroplastic Coating Compound		15 oz/yd ²	507 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	46.6 oz/yd ²	1585 g/m ²
Composite Thickness, Nom	ASTM D1777	.043 inch	1.1mm
Tensile Strength, Min	ASTM D4851	1000 lbs/inch (MD) 1000 lbs/inch (XD)	8900 N/50mm [MD] 8900 N/50mm [XD]
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: 14147 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

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