



ALPHA

engineered composites

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ALPHATEX 500

<u>Product Composition</u>		<u>English</u>	<u>Metric</u>
Coated Fiberglass Substrate Fluoroplastic Coating Compound 100% virgin PTFE resin [35% to 40% by weight]		0.014 inch	0.35mm
<u>Physical Property</u>	<u>Test Method</u>	<u>English</u>	<u>Metric</u>
Composite Weight, Nom	Basis Weight	21.0 oz/yd ²	700 g/m ²
Composite Thickness, Nom	ASTM D1777	.014 inch	0.35mm
Tensile Strength, Min	ASTM D4851	400 lbs/inch (MD) 400 lbs/inch (XD)	3500 N/50mm 3500 N/50mm
Trapezoidal Tear Strength, Min	ASTM D4851	90 lbs/inch (MD) 90 lbs/inch (XD)	400 N [MD] 400 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: 14206 REV. A DATE: 01/18/16 * All values are nominal unless otherwise specified.

Specializing in marine, aerospace, automotive and commercial fabrics for thermal and industrial applications

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