



# ALPHA

engineered elastomers

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## 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 <sup>2</sup>	490 g/m <sup>2</sup>
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 <sup>2</sup>	1120 g/m <sup>2</sup>
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**

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