

## Acculam® Carbon Fiber Laminate Product Data Sheet

Typical Properties Based on 2 x 2 Twill Weave	Typical Value	Units
Density	1.5	gm / cc
Water Absorption	<0.7	%
Tensile Strength, psi	136,000	PSI
Tensile Modulus, psi	11,600,000	PSI
Flexural Strength, psi	119,000	PSI
Flexural Modulus, psi	7,740,000	PSI
Compressive Strength	64,000	PSI
Compressive Modulus	7,800,000	PSI
Interlaminar Shear Strength	6,000	PSI

Typical Fiber, Fabric and Prepreg Properties	
Carbon Fiber	Standard Modulus 3K Tow
Nominal Fiber Modulus	33,000,000 psi
Nominal Fiber Density	1.77 g/cc
Resin System	Epoxy
Weave Types	2 x 2 Twill Weave
	'+/- 45 Degree Plain Weave

**Product Description:** Acculam® Carbon Fiber Laminates are a proprietary Value Engineered product line providing all the High Performance of traditional Carbon Fiber at significantly competitive prices. These high-performance composites are used in applications where reduced weight, high strength to weight ratio, and extremely high strength and stiffness are critical. These are available in sheet and tube forms.

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