

## Carbon Fiber Braided Sleeves



Braided Carbon Fiber Sleeve is a biaxial braid of precisely oriented fibers of maximum stiffness, torsional stability and compressive strength. The sleeve has a 45 degree orientation and will compress about 20-25% and tension about 60-65% from their base diameter. A biaxial braided sleeve easily and repeatedly expands open to fit over molding tools or cores. They can accommodate straight, uniform cross-section forms as well as nonlinear, irregular cross section components.

Properties						
Diameter	0.25"	0.50"	1.00"	1.50"	2.50"	4.00"
Thickness at 50% FV	.013"	.013"	.013"	.013"	.013"	.022"
Weave	Biaxial at a 45° angle	Biaxial at a 45° angle	Biaxial at a 45° angle	Biaxial at a 45° angle	Biaxial at a 45° angle	Biaxial at a 45° angle
Material	3K Standard Modulus	3K Standard Modulus	3K Standard Modulus	3K Standard Modulus	3K Standard Modulus	3K Standard Modulus
Fabric Weight	8.3 oz/yd <sup>2</sup>	8.3 oz/yd <sup>2</sup>	8.3 oz/yd <sup>2</sup>	8.3 oz/yd <sup>2</sup>	11.9 oz/yd <sup>2</sup>	15.1 oz/yd <sup>2</sup>
Tensile	640 ksi	640 ksi	640 ksi	640 ksi	640 ksi	640 ksi

Braided Sleeves can be increased from their base diameter up to 30% and decreased up to 70%.

All the information contained in these properties is believed to be reliable. It is intended for comparison purposes only as each manufactured lot will exhibit variations. The user should evaluate the suitability of each product for their application. We cannot anticipate the variations in all end use and we make no warranties and assume no liability in connection with the use of this information.