

Carbon Fiber Tape



Specific Product Properties	
Type	3K Carbon Multifilament Continuous Tow
Twist	Untwisted
Weave Pattern	Plain
Tensile Strength	510 - 635 KSI
Tensile Modulus	33.0 - 34.9 MSI
Elongation	1.4% - 1.95%
Warp ends/inch	11.5 - 13.5, 3K
Fill ends/inch	11.5 - 13.5, 3K
Weight	5.7 - 6.2 oz/yd ²
Width	2.93- 3.063 in

Plain weave, 3K, 5.7 oz/sq yd and .012" Thick

Graphite Tapes are ideal for selective reinforcement of graphite fabrications, sleeve winding, lap joining, and repairs of cracks on graphite surfaces.

DESCRIPTION

Graphite fibers contain up to 95% carbon and yield the highest tensile strength in the FRP industry. These fibers woven together form graphite fabric. These fabrics offer higher strength and stiffness-to-weight ratios than any other commonly available reinforcements. While there are hundreds of types to choose from, we have selected three styles of standard modulus carbon fiber which are suitable for use in racing, aircraft, competition marine, and light industrial applications. To maximize the fiber properties we recommend using only epoxy or vinyl ester resin, although polyesters will bond to the fabrics.

Resin Compatibility

Carbon Fiber Tapes are compatible with Polyester, Vinyl Ester, and Epoxy Resins.

General Properties for Carbon Fiber Fabrics

- Lightweight
- High Modulus
- Fire Resistant
- Dimensionally Stable
- Fatigue Resistant

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