FIBREGLAST®

1069

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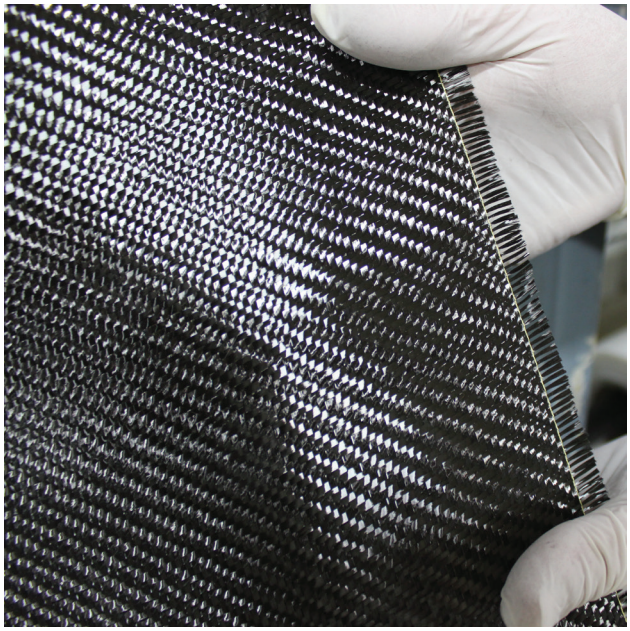
3K, 2 x 2 Twill Weave Carbon Fiber



Specific Product Properties	
Type	3K Carbon Multifilament Continuous Tow
Twist	Untwisted
Weave Pattern	2 x 2 Twill
Tensile Strength	610 - 635 KSI
Tensile Modulus	33.6 - 34.9 MSI
Elongation	1.75% - 1.95%
Warp ends/inch	12 - 14, 3K
Fill ends/inch	12 - 14, 3K
Weight	5.7 - 5.9 oz/yd^2
Width	50” (49.75 - 50.25) 60” (59.95 - 60.25) in

5.7 oz/sq yd, 50-60" Wide, .012" Thick, 3K, 2x2 Twill Weave.
This 2x2 twill weave fabric offers the cosmetic appearance so desirable on modern composite parts. But don't just use it for looks, this fabric is highly formable and slightly stronger than the plain weave.

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. This 2x2 twill weave fabric offers the cosmetic appearance so desirable on modern composite parts. But don’t just use it for looks, this fabric is highly formable and slightly stronger than the plain.

Resin Compatibility
1069 & 2069, Carbon Fiber Fabric, is compatible with Polyester, Vinyl Ester, and Epoxy Resins.

General Properties for Carbon Fiber Fabrics
- Lightweight
- High Modulus
- Fire Resistant
- Dimensionally Stable
- Fatigue Resistant