

Hexcel® HexForce™ 160 Carbon Fabric

Category : Carbon , Carbon Fiber

Material Notes:

Hexcel's carbon fibers contain high strength-to-weight and stiffness-to-weight ratios. Carbon fabrics are thermally and electrically conductive and exhibit excellent fatigue resistance. When properly engineered, carbon fabric composites can achieve the strength and stiffness of metals at significant weight savings. Hexcel's carbon fabrics are compatible with various resin systems including epoxy, polyester and vinyl ester resins. Information provided by Hexcel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexForce-160-Carbon-Fabric.php

| Physical Properties | Metric | English | Comments |
|---------------------|-------------|----------|----------|
| Thickness | 183 microns | 7.20 mil | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|---------|-----------|---------------------|
| Tensile Modulus | 228 GPa | 33000 ksi | 3K Carbon Warp Yarn |
| | 228 GPa | 33000 ksi | 1K Carbon Fill Yarn |

| Descriptive Properties | Value | Comments |
|---------------------------------|-------|----------|
| Fabric Weight (oz/yd2) | 3.92 | Dry |
| Nominal Construction (count/in) | 12 | Warp |
| | 12 | Fill |
| Weave Style | Plain | |

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