

# Technical Datasheet – Carbon Woven Reinforcement Fabric

**HinFab™ HCT200C**

*200 GSM – 2X2 Twill Woven Carbon Fabric*



| Characteristic                   | Specification | Tolerance | Test Method |
|----------------------------------|---------------|-----------|-------------|
| Areal Weight (g/m <sup>2</sup> ) | <b>200</b>    | ± 3%      | ASTM D3801  |
| Width* (mm)                      | <b>1000</b>   | -0/+10mm  | ASTM D3774  |
| Dry Fabric Thickness(mm)         | <b>0.20</b>   | ± 0.03mm  | ASTM D1777  |

\*Custom Width available.

|             |                     |                     |  |
|-------------|---------------------|---------------------|--|
| <b>WARP</b> | Carbon Fiber        | 50%<br>by<br>weight |  |
|             | Standard Modulus 3K |                     |  |
|             | 12.70 ends/inch     |                     |  |
| <b>WEFT</b> | Carbon Fiber        | 50%<br>by<br>weight |  |
|             | Standard Modulus 3K |                     |  |
|             | 12.70 picks/inch    |                     |  |

| Fiber Properties             |                         |
|------------------------------|-------------------------|
| Density (g/cm <sup>3</sup> ) | <b>1.8</b>              |
| Filament Diameter (µm)       | <b>7</b>                |
| Tensile Strength (MPa)       | <b>3450</b>             |
| Tensile Modulus (GPa)        | <b>230</b>              |
| Elongation (%)               | <b>1.5</b>              |
| Sizing                       | <b>Epoxy Compatible</b> |

| Typical Packaging   |
|---|
| Wound on a cardboard tube, sealed in a polyethylene bag, firmly secured and placed in a cardboard box |

| Disclaimer  |
|---|
| HinFab™ fabrics are manufactured in accordance with Hindoostan Composite Solutions written and published data. A Certificate of Conformance is provided with each shipment. |

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