

# Technical Datasheet – Carbon Woven Reinforcement Fabric

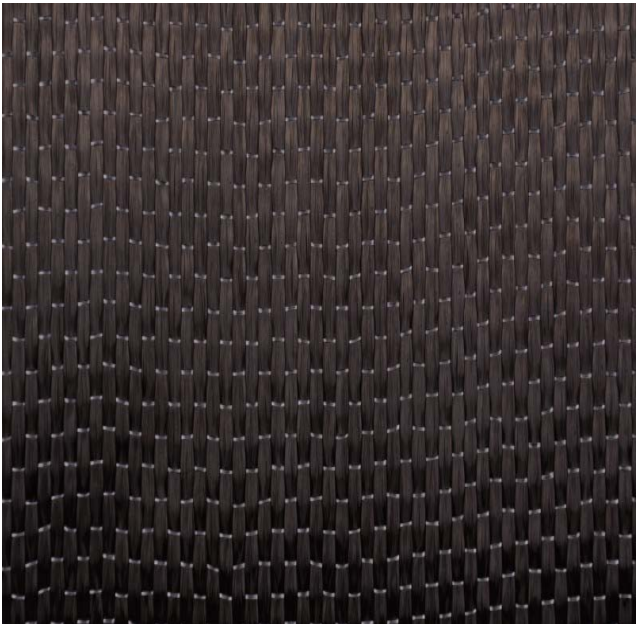
**HinFab™ HCU503**

*500 GSM – Uni Directional Woven Carbon Fabric*



Characteristic	Specification	Tolerance	Test Method
Areal Weight (g/m <sup>2</sup> )	500	± 3%	ASTM D3801
Width* (mm)	500	-0/+10mm	ASTM D3774
Dry Fabric Thickness(mm)	0.53	± 0.03mm	ASTM D1777

\*Custom Width available.

<b>WARP</b>	Carbon Fiber	98% by weight	
	Standard Modulus 24K		
	7.70 ends/inch		
<b>WEFT</b>	Carbon Fiber	2% by weight	
	Standard Modulus 24K		
	4.00 picks/inch		

Fiber Properties	
Density (g/cm <sup>3</sup> )	1.8
Filament Diameter (µm)	7
Tensile Strength (MPa)	4000
Tensile Modulus (GPa)	240
Elongation (%)	1.7
Sizing	Epoxy Compatible

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.

**Sir Vithaldas Chambers 16, Mumbai Samachar Marg, Mumbai 400001, India.**

**www.hindoostantech.com    Email: [contact@hindoostantech.com](mailto:contact@hindoostantech.com)**