

Technical Datasheet – Carbon Woven Reinforcement Fabric

HinFab™ HCU453

450 GSM – Uni Directional Woven Carbon Fabric



Characteristic	Specification	Tolerance	Test Method
Areal Weight (g/m ²)	450	± 3%	ASTM D3801
Width* (mm)	500	-0/+10mm	ASTM D3774
Dry Fabric Thickness(mm)	0.45	± 0.03mm	ASTM D1777

*Custom Width available.

WARP	Carbon Fiber	98% by weight	
	Standard Modulus 24K		
	7.10 ends/inch		
WEFT	Carbon Fiber	2% by weight	
	Standard Modulus 24K		
	4.00 picks/inch		

Fiber Properties	
Density (g/cm ³)	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.

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