

# Technical Datasheet – Carbon Woven Reinforcement Fabric


## HinFab™ HAP180

180 GSM – Plain Woven Aramid Fabric



Characteristic	Specification	Tolerance	Test Method
Areal Weight (g/m <sup>2</sup> )	180	± 3%	ASTM D3801
Width* (mm)	1000	-0/+10mm	ASTM D3774
Dry Fabric Thickness(mm)	0.25	± 0.03mm	ASTM D1777

\*Custom Width available.

<b>WARP</b>	Aramid Fiber	50% by weigh t	
	High Modulus		
	20.0 ends/inch		
<b>WEFT</b>	Aramid Fiber	50% by weigh t	
	High Modulus		
	20.0 picks/inch		

Fiber Properties	
Density (g/cm <sup>3</sup> )	1.44
Filament Diameter (µm)	12
Tensile Strength (MPa)	3097
Tensile Modulus (GPa)	105
Elongation (%)	2.8
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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