

## BhorForce® 5SC280H

280 GSM – Bidirectional 5 Harness Satin Woven Carbon Fabric

Characteristic	Specification	Tolerance	Test Method
Areal Weight (g/m <sup>2</sup> )	280	± 3%	ASTM D3801
Width* (mm)	1000	-0/+10mm	ASTM D3774
Dry Fabric Thickness(mm)	0.30	± 0.03mm	ASTM D1777

\*Custom Width available.

<b>WARP</b>	Carbon Fiber	<b>50%by weight</b>	
	Standard Modulus 3K		
	17.7 ends/inch		
<b>WEFT</b>	Carbon Fiber	<b>50%by weight</b>	
	Standard Modulus 3K		
	17.7 ends/inch		

<b>Fiber Properties</b>	
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

#### PACKAGING

Wound on cardboard cone, sealed in polyethylene bag, and placed in cardboard box. Rolls stacked horizontally on pallets when shipping. Bhor® Force fabrics are typically available in the form of rolls with roll width 300 mm, 500 mm, 600 mm and 1200 mm and roll length from 25 m up to 100 m.

#### STORAGE

It should be stored in its original packaging in a dry and cool place. Best conditions are at temperature from 10 to 35°C and humidity between 35 and 85%.

#### Note

All Technical Data Sheets are updated on regular basis; it is the user's responsibility, to obtain the most recent issue. Field services where provided, does not constitute supervisory responsibility, for additional information contact Bhor technical staff or representative.

#### Disclaimer

All data given is based on representative samples of the materials in question. Since the method and circumstances under which these materials are processed and tested are key to their performance, and Bhor has no assurance of how its customers will use the material, the corporation cannot guarantee these properties.