



**SHREE**  
**BUMB GROUP**

The Mfg. of Advanced Textiles & Technical Textiles

## SHREE TECHNO AND COMPOSITE LLP

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DATA SHEET		
PRODUCT NAME	BIDIRECTIONAL HYBRID FABRIC	UNIT / TOLARANCE
GSM	370	+/- 5 %
WIDTH	1000 mm	+/- 5 MM
WEFT	Carbon fiber	12K
WARP	Kevlar fiber	330 TEX
THICKNESS	0.4	0.1 MM
WEAVE	PLAIN /TWILL / SATIN	
NOTE :- ABOVE TDS IS STANDARD, WE CAN ALSO MANUFACTURING CUSTOMIZED PRODUCT AS PER APPLICATION AND CUSTOMERS REQUIREMENT.		
CARBON FIBER 12K		
TENSILE STRENGTH	4400 -4900 - 5500	MPA
LINEAR DENSITY	760 - 800	TEX
DENSITY	1.75 - 1.81	G/CM <sup>3</sup>
TENSILE MODULUS	230 - 250	Gpa
ELONGATION AT BREAK	1.8 – 2.2	%
NOTE :- ABOVE CARBON FIBER TDS IS AS PER CARBON FIBER SUPPLIER GIVEN C. FIBER TDS.		
KEVLAR FIBER 1000 AF		
YARN TYPE	330	TEX
MODULUS	74 +/- 11	GPa
ELONGATION AT BREAK	3.9 +/- 0.5	%
NOTE :- ABOVE CARBON FIBER TDS IS AS PER CARBON FIBER SUPPLIER GIVEN C. FIBER TDS.		

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### MANUFACTURER OF

Carbon • Aramid-Kevlar • Glass • Hybrid • Mesh • UD/BD Fabric • High Performance Customized Fabric • Chopped Fiber • Laminate Plate • Rods