

PRODUCT DATA SHEET

B23-001 TAP-CF/PPA-12MM-PL-450

Bidirectional fabric with 12,7mm carbon tapes combined with PPA matrix.



PROPERTIES

Property	Value
Fiber areal weight (FAW)	270g/m ²
Weight per ply (PAW)	450g/m ²
Resin content by weight	40% PPA
Moisture pick up (70°C water saturation))	2,9%
Consolidatet ply thickness (CPT)	0,18mm

FABRIC DESIGN

Property	Value
Fiber	Carbon Fiber
Matrix	PPA
Pattern	Plain
Tape Width	12,7mm
Fabric Width <i>Contact us for special widths</i>	100 up to 200cm
Density	0,7picks/cm

MECHANICAL DATA

Property	Test method	Value	Unit
Tensile strenght	EN ISO 527	1180	MPa
Tensile modulus	EN ISO 527	78	GPa
Flexural strenght	EN ISO 14125	909	MPa
Flexural modulus	EN ISO 14125	62	GPa
Compressive strenght	ASTM D3410	-	-
Compressive modulus	ASTM D3410	-	-
Elongation (%)		1,4%	

TYPICAL NEAT RESIN PROPERTIES

Property	Value
Density	1,15g/cm ³
Tg	140°C
Tm (melt)	258°C
Tp (processing)	280°C

MAIN FEATURES:

- Lightweight
- Recyclable
- Short Time Processing
- Easy to manipulate and cut
- Low water absorption

The described values in this technical sheet are the estimated results obtained in the TEXFIRE TEXTILS TECNICS S.L internal laboratory according to standard methodologies. TEXFIRE reserves the right to change the parameters without the obligation to notice it previously.



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TYPICAL APPLICATIONS:

- Sport goods
- Automotive
- Renewable Power

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