

## PRODUCT DATA SHEET

**B23-002 TAP- CF/BIOPA-16MM-PL-300**

Bidirectional fabric with 16mm carbon tapes combined with Bio-based polyamide matrix.

**PROPERTIES**

Property	Value
Fiber areal weight (FAW)	150g/m <sup>2</sup>
Weight per ply (PAW)	300g/m <sup>2</sup>
Resin content by weight	50% BIOPA
Moisture pick up <i>(Kept in water 28 days at 23°C)</i>	0,8%
Consolidated ply thickness (CPT)	0,16mm

**FABRIC DESIGN**

Property	Value
Fiber	Carbon Fiber
Matrix	Bio-PA
Pattern	Plain
Tape Width	16mm
Fabric Width <i>Contact us for special widths</i>	100 up to 200cm
Density	0,6 picks/cm

**MECHANICAL DATA**

Property	Test method	Value	Unit
Tensile strength	EN ISO 527	772	MPa
Tensile modulus	EN ISO 527	44	GPa
Flexural strength	EN ISO 14125	996	MPa
Flexural modulus	EN ISO 14125	43	GPa
Compressive strength	ASTM D3410	366	MPa
Interlaminar Shear Strength	ILSS	43	MPa

**TYPICAL NEAT RESIN PROPERTIES**

Property	Value
Density	1,13 g/cm <sup>3</sup>
Tg	63°C
Tm (melt)	215°C
Tp (processing)	260°C

**MAIN FEATURES:**

- Flexible
- Recyclable
- Short Time Processing
- Easy to manipulate and cut
- Can be stored at room temperature

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



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**TYPICAL APPLICATIONS:**

- Sports goods
- Automotive
- Renewable Power

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