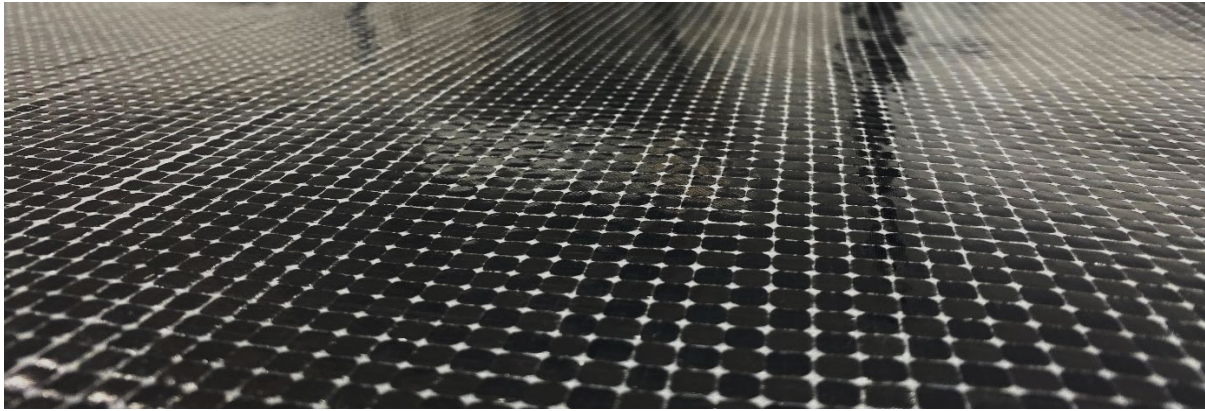


PRODUCT DATA SHEET

B22-000 BLACKPREPEG 12K PL 430Thermoplastic prepreg - Bidirectional 12K Carbon Fiber fabric laminated with 150g/m² BIOPA film.

PROPERTIES

Property	Value
Fiber areal weight (FAW)	280g/m ²
Weight per ply (PAW)	430g/m ²
Resin content by weight	35% BIOPA
Moisture pick up <i>(Kept in water 28 days at 23°C)</i>	0,8%
Consolidated ply thickness (CPT)	0,26mm

FABRIC DESIGN

Property	Value
Fiber	12K CF
Matrix	Bio-PA
Pattern	Plain
Width <i>Contact us for special widths</i>	100cm
Density	1,7 picks/cm

MECHANICAL DATA

Property	Test method	Value	Unit
Tensile strenght	EN ISO 527	832	MPa
Tensile modulus	EN ISO 527	64,6	GPa
Flexural strenght	EN ISO 14125	892	MPa
Flexural modulus	EN ISO 14125	64,7	GPa
Compressive strenght	ASTM D3410	268	MPa
Compressive modulus	ASTM D3410	-	-

**Results for 2mm thick specimen pressed at 30Tn*

TYPICAL NEAT RESIN PROPERTIES

Property	Value
Density	1,13 g/cm ³
Tg	63°C
Tm (melt)	215°C
Tp (processing)	250°C

MAIN FEATURES:

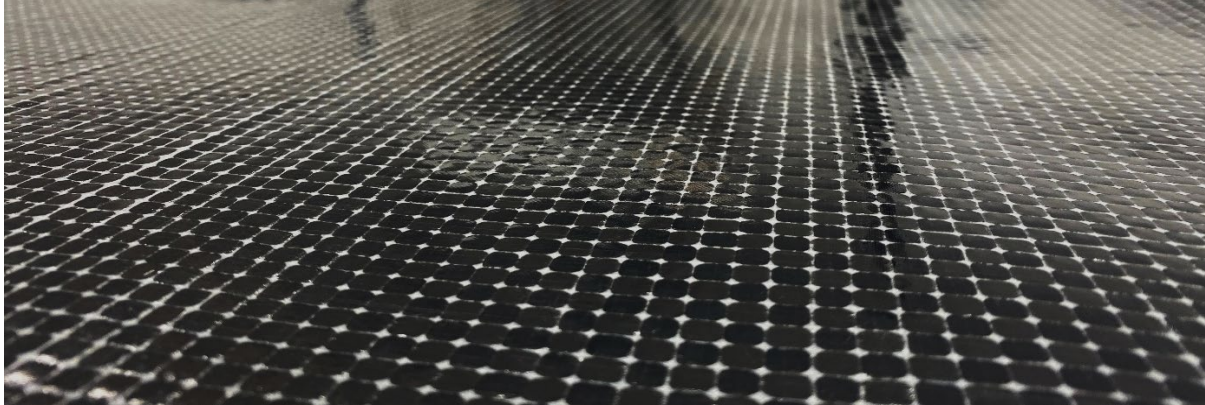
- Flexible
- Recyclable
- Short Time Processing
- Easy to manipulate and cut

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.



PRODUCT DATA SHEET**B22-000 BLACKPREPEG 12K PL 430**

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**PHYSICAL PROPERTIES**

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TYPICAL NEAT RESIN PROPERTIES

Property	Value
Density	1,13 g/cm ³
Tg	63°C
Tm (melt)	215°C
Tp (processing)	250°C

MAIN FEATURES:

- Flexible
- Easy to manipulate and cut
- Suitable for aesthetic applications
- Same properties in both directions (0°/90°)

TYPICAL APPLICATIONS:

- Automotive
- Renewable Power
- Medical
- Aesthetics

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