

PRODUCT DATA SHEET

B23-003 TAP-F/PP-12MM-PL-500

Bidirectional fabrics with 12,7mm Flax tapes and Polypropylene Matrix.



PROPERTIES

Property	Value
Fiber areal weight (FAW)	250g/m ²
Weight per ply (PAW)	507g/m ²
Resin content by weight	50% PP
Consolidated ply thickness (CPT)	0,25mm
Matrix	Polypropylene

FABRIC DESIGN

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

MECHANICAL DATA

Property	Test method	Value*	Unit
Tensile strength	EN ISO 527	160	MPa
Tensile modulus	EN ISO 527	15,5	GPa
Flexural strength	EN ISO 14125	130	MPa
Flexural modulus	EN ISO 14125	8,7	GPa
Elongation at Break		1,5%	

*UD laminate test results

TYPICAL NEAT RESIN PROPERTIES

Property	Value
Density	1,2 g/cm ³
Tm (melt)	160°C
Tp (processing)	190°C

MAIN FEATURES:

- Low eco-impact
- Ready to be shaped
- Short Time Processing
- Easy to manipulate and cut
- Compatible with thermoforming

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.



PRODUCT DATA SHEET

B23-003 TAP-F/PP-12MM-PL-500

Thermoplastic prepreg - Bidirectional fabric with 12,7mm Flax tapes and Polypropylene Matrix.



PROPERTIES

Property	Value
Fiber areal weight (FAW)	250g/m ²
Weight per ply (PAW)	507g/m ²
Resin content by weight	50% PP
Consolidated ply thickness (CPT)	0,25mm
Matrix	Polypropylene

FABRIC DESIGN

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

TYPICAL NEAT RESIN PROPERTIES

Property	Value
Density	1,2 g/cm ³
Tm (melt)	160°C
Tp (processing)	190°C



MAIN FEATURES:

- Flexible
- Recyclable
- Low eco-impact
- Ready to be shaped
- Short Time Processing
- Easy to manipulate and cut

TYPICAL APPLICATIONS:

- Sports Goods
- Naval
- Automotive
- Renewable energy
- Consumer products
- Aesthetics

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www.blackfabric.eu
info@blackfabric.eu

C/Llobateres, 29- 08210 Barberà del Vallès, Spain