

BambooUDTape Pro™

BambooTape Pro is a premium bamboo fiber tape designed for advanced composite applications. Combining exceptional mechanical performance with sustainability, this product allows for unparalleled control over the material's properties and ensures minimal waste during production. BambooTape Pro is the perfect choice for industries requiring precision, durability, and eco-conscious solutions.



Productdata

Orientation: 0°

Resin: Epoxy

Preliminary version

General properties	Test Methods	Units	Values
Thickness (Laminate)	Internal	µm	180
Area weight (Laminate)	Internal	g/m ²	133
Fiber content (Laminate)	ISO 1172	%	45
Density (Laminate)	ISO 1183	g/cm ³	1.4
Density (Molded) ¹	ISO 1183	g/cm ³	1.24
Biobased content (Laminate)	Internal	%	45
Global warming potential		kg CO ₂ -eq/kg fabric	Coming soon
Mechanical Properties ¹	Test Methods	Units	Values
Tensile strength longitudinal	ISO 527	MPa	240
Tensile strength transversal	ISO 527	MPa	13
Tensile modulus longitudinal	ISO 527	GPa	18
Tensile modulus transversal	ISO 527	GPa	5.3
Strain at break longitudinal	ISO 527	%	1.3
Strain at break transversal	ISO 527	%	1.8
Flexural strength longitudinal	ISO 178	MPa	226
Flexural strength transversal	ISO 178	MPa	12.6
Flexural modulus longitudinal	ISO 178	GPa	16
Flexural modulus transversal	ISO 178	GPa	5.2
Impact strength (IZOD 3.2mm)	ASTM D256	J/m	Coming soon
Impact strength (Charpy 4.0mm)	ISO 179-1/2fn	kJ/m ²	Coming soon

¹ Typical values obtained when used in vacuum infusion at room temperature, with a final Vf of 45%.

Processing properties	Test Methods	Units	Values
Molding shrinkage	ISO 2577	%	Coming soon

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