

PP/BF – UD tape

Material data sheet

Description

Unidirectional continuous fiber-reinforced tape (UD tape) based on polypropylene and basalt fibers.

Properties¹

Physical properties	Value	Unit	Measurement method
Density	1.63	g/cm ³	DIN EN ISO 1183
Thickness	0.21	mm	
Width	50	mm	
Fiber mass fraction	73	wt	Internal method
Fiber volume fraction	45	vol	Internal method
Weight per unit area	320	g/m ²	
Mechanical properties			
Tensile strength 0°	840	MPa	DIN EN ISO 527 [*]
Tensile modulus of elasticity 0°	37	GPa	DIN EN ISO 527 [*]
Elongation at break 0°	2.9		DIN EN ISO 527 [*]
¹ Measured properties that are not considered specifications			
[*] Measured on tape material [UD50_230]			

The material is a research product and is not commercially available. All information is provided without guarantee.

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