PA/BF – UD tape

Material data sheet

Fraunhofer IMWS

Description

Unidirectional continuous fiber reinforced tape based on polyamide 6 and basalt fibers.

Properties[1]

Physical properties	Value	Unit	Measurement method
Thickness	0.28	mm	
Width	50	mm	
Fiber mass fraction	59	wt	Internal method
Fiber volume fraction	38	vol	Internal method
Mechanical properties			
Tensile strength 0°	650	MPa	DIN EN ISO 527*
Tensile modulus of elasticity 0°	29	GPa	DIN EN ISO 527*
Elongation at break 0°	2.3	%	DIN EN ISO 527*

[1] Measured properties that are not considered specifications

* Measured on tape material [UD50_213]

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

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