

TECHNICAL DATE SHEET

ALFAOHM

BASE MATERIAL: Polylactic acid + carbon nanotubes

PROPERTIES

PROPERTIES	VALUE	METOD AND CONDICTION	
PHYSICAL & MECHANICAL	Density	1,35 g/cm ³	
	CHARPY (test 80x10x4 mm)	9 kJ/m ²	ISO 1183 ISO 179-1eU (notched)
	Elongation at break	12,00%	ISO 527
	Tensile strength at break	25 Mpa	ISO 527
	Flexure Modulus	1550 Mpa	ISO 527
Electrical resistivity of surface	along the layers	15 ohm*cm	ASTM D 257
	perpendicular to the layers	20 ohm*cm	ASTM D 257

SUGGESTED PRINTER SETTING

	VALUE	UNIT
Extruder Temperature	190 - 210	°C
Print Speed	10 - 50	mm/s
Bed Material	0 - 50	°C

PRODUCT DETAILS & CERTIFICATION

Diameter	1,75 mm 2,85 mm	Tolerance ± 0,05mm Tolerance ± 0,10mm

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