

TECHNICAL DATE SHEET

PP CF

BASE MATERIAL: Polypropylene >80% + carbon fibers

PROPERTIES

PROPERTIES	VALUE	METOD AND CONDICTION
PHYSICAL & MECHANICAL	Density	1,22 g/cm ³ ISO 1183
	Elongation at break:	1,30% ISO 527
	Flexure Modulus:	5500 Mpa ISO 527
	Tensile strength at break:	35 Mpa ISO 527
	CHARPY	unnotched
notched		5,2 kJ/m ² ISO 179-1eU
THERMAL	Heat Deflection Temperature	
	0,45 MN/m ²	130 °C ISO 75
	1,81 MN/m	92 °C ISO 75

SUGGESTED PRINTER SETTING

PARAMETERS	VALUE	UNIT
Extruder Temperature	220 - 240	°C
Print Speed	40 - 80	mm/s
Bed Material	0 - 80	°C

PRODUCT DETAILS & CERTIFICATION

Diameter	1,75 mm 2,85 mm	Tolerance ± 0,05mm Tolerance ± 0,10mm
REACH & ROHS compliant		compliant
Major Benefits	<ul style="list-style-type: none"> - Mechanically high-performance material - High impact resistance - Chemical inertness - Dimensional stability - Not hygroscopic 	

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