FILOALFA
RILIEVO AI TUOI PROGETTI
by Ciceri de Mondel

Mar, 2021

TECHNICAL DATE SHEET — PP CF

BASE MATERIAL: Polypropylene >80% + carbon fibers

PROPERTIES

	PROPERTIES		VALUE	METOD AND CONDICTION
PHYSICAL & MECHANICAL		Density	1,22 g/cm³	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	9 kJ/m²	ISO 179-1eU
		notched	5,2 kJ/m²	ISO 179-1eU
THERMAL	Heat Deflection Temperature			
		0,45 MN/m²	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	Tollerance ± 0,05mm Tollerance ± 0,10mm
REACH & ROHS compliant	compliant	
Major Benefits	- Mechanically high-performance material - High impact resistance - Chemical inertness - Dimensional stability - Not hygroscopic	

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