

## Technical data sheet

# PA-CFJet

Use	It is a material for the FDM (FFF) 3D printing additive technology.
Material	Polyamide 12 with 17 % carbon fibers – 0,15 mm, petroleum product
Diameter	1,75 mm
Tolerance	± 0,1 mm
Weight	0,5 kg netto ± 5 % / 0,7 kg brutto ± 5 %
Packing	Spool in Vacuum ZIP bag, inserting to paper box, all in LDPE foil.
Colour	See <a href="http://www.filament-pm.com">www.filament-pm.com</a>
Solvents	Formic acid (concentrated), Sulfuric acid (concentrated), Fenol, Benzyl alcohol

Printing Properties	
Temperature HE	230 – 240 °C
Temperature HB	110 – 120 °C
Surface bed	Kapton printing bed, thicker Ultem, metal sheet or double-sided Powder-coated PA Nylon Sheet
Cooling print object	No
Nozzle	Minimum 0.4 mm hardened for abrasive materials
Printer space	Close

Material Properties			
Thermal	Vicat softening temperature	IISO 306	170 °C
	Heat deflection temperature	ISO 75	165 °C
Mechanical	Impact strength	ISO 179	8,3 kJ/m <sup>2</sup>
	Flexural modulus	ISO 178	1 546 MPa
Physical	Density	ISO 1183/B	1,01 g/cm <sup>3</sup>
	Melt Flow Index	ISO 1133	8 g/10 min

