



## TECHNICAL DATA SHEET FOR PRODUCT:

### PA-CFJet FILAMENT

<b>Use</b>	is a material for the FDM (FFF) 3D printing additive technology		
<b>Material</b>	Polyamide 12 with 17% carbon fibers – 0,15mm, petroleum product		
<b>Diameters</b>	1,75 mm		
<b>Tolerance</b>	± 0,03 mm		
<b>Weight</b>	0,5 kg netto ± 5% / 0,7 kg brutto ± 5%		
<b>Packing</b>	spool in Vacuum ZIP bag, inserting to paper box, all in LDPE foil		
<b>Colours</b>	views on web <a href="https://shop.filament-pm.com/pa-cfjet-black-1-75-mm-0-5-kg/p306">https://shop.filament-pm.com/pa-cfjet-black-1-75-mm-0-5-kg/p306</a>		
<b>Solvents</b>	Formic acid (concentrated), Sulfuric acid (concentrated), fenol, benzyl alkohol		
<b>Printing Properties:</b>			
<b>Temperature HE</b>	230-240 °C		
<b>Temperature HB</b>	110-120°C		
<b>Surface bed</b>	kapton printing bed, thicker Ultem, metal sheet or double-sided Powder-coated PA Nylon Sheet by Prusa		
<b>Cooling print object</b>	NO		
<b>Nozzle</b>	Minimum 0.4 mm hardened for abrasive materials		
<b>Printer space</b>	Close chamber		
<b>Material Properties:</b>			
<b>Thermal</b>	vicat softening temperature	ISO 306	<b>170 °C</b>
	heat deflection temperature	ISO 75	<b>165 °C</b>
<b>Mechanical</b>	impact strength	ISO 179	<b>8,3 kJ/m<sup>2</sup></b>
	flexural modulus	ISO 178	<b>1546 MPa</b>
<b>Physical</b>	Density	ISO 1183/B	<b>1,01 g/cm<sup>3</sup></b>
	Melt Flow Index	ISO 1133	<b>8 g/10 min</b>