

TECHNICAL LIST

Use	is a material for the FDM (FFF) 3D printing additive technology		
Material	Polyetylentefeftalat + 20 % carbon fiber 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.		
Colours	See www.filament-pm.com		
Solvents	Acetaldehyde, Benzene		
Printing Properties			
Temperature HE	220 - 250 °C		
Temperature HB	80 - 90 °C		
Surface bed	Ultem, PET foil		
Cooling print object	Yes		
Nozzle	Min 0,4 mm and more		
Printer space	Open / Close		
Material Properties			
Thermal	Vicat softening temperature	ISO 306	85 °C
	Heat deflection temperature	ISO 75	70 °C
Mechanical	Impact strength	ISO 179	23 kJ/m²
	Flexural modulus	ISO 178	2500 MPa
Physical	Density	ISO 1183/B	1,27 g/cm³
	Melt Flow Index	ISO 1133	11 g/10 min