

TECHNICAL SPECIFICATIONS	VALUE	TEST METHOD - ASTM
Material	Carbon Fiber Reinforced Polyamide	-
Density	1,00 g/cm ³	1183
Impact Strength	60 Kj/m ²	179/2-1eU
Melting Point	180° C	11357
Tensile Modulus	6000 MPa	527
Tensile Strength	100 MPa	527
Shore Hardness	110 MPa	2039-1
Heat Deflection Temp. HDT/A	155° C	75
Thermal Expansion Coefficient	0,5 10-4/K	11359
Max Usage Temp. Long Term	90° - 120° C	2578
Max Usage Temp. Short Term	150° C	2578D
Dielectric Strength	-	IEC 60243
Specific Volume Resistivity	103Ω ·m	IEC 60243
Flammability	HB	1210
Linear Mould Shrinkage	0,3	294

FILAMENT SPECIFICATIONS	VALUE AND TOLERANCES
Filament net weight	± 0.5 Kg
Roundness deviation	Max 2%
Colours	Black
Diameter	1.75 mm / 2.85 mm
Diameter Tolerance	± 0.05 mm
Recommended printing temperature	240°
Recommended printing speed	40 mm/s
Recommended bed temperature	70° C (Not necessary)