

PA NYLON Carbon Fiber

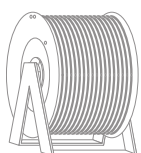
Filament Technical Data Sheet

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TECHNICAL SPECIFICATIONS	VALUE	TEST METHOD - ASTM
Material	Carbon Fiber Reinforced Polyamide	-
Density	1,00 g/cm ³	1183
Impact Strenght	60 Kj/m ²	179/2-1eU
Melting Point	180° C	11357
Tensile Modulus	6000 MPa	527
Tensile Strength	100 MPa	527
Ball Indentation hardness	110 MPa	2039-1
Heat Deflection Temp. HDT/A	155° C	75
Thermal Expansion Coefficient	0,5 10 ⁻¹ /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	10 ³ Ωm	IEC 60243
Flammability	HB	1210
Linear Mould Shrinkage	0,3	294



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FILAMENT SPECIFICATIONS	VALUE AND TOLERANCES
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Filament Net Weight	0,5 Kg 1,8 Kg 3 Kg
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Roundness Deviation	Max 2%
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Color	Black
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Diameter	1,75 mm 2,85 mm
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Diameter Tolerance	± 0,05 mm
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Recommended Printing Temperature	240° - 260° C
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Recommended Printing Speed	40 mm/s
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Recommended Bed Temperature	70° C (Not Necessary)
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