



Carbon Fibre

3D print with real carbon. Without the footprint.

Description

Carbon fibre is known for being strong, yet lightweight – and now you can 3D print with it! Our carbon fibre filament is a PET-based composite containing 20% recycled carbon fibres. Filamentive carbon fibre is stiff, impact resistant, and heat resistant up to 80°C. Your carbon fibre 3D printed objects will have an attractive matte black surface, and you'll be pleased to know the filament is dimensionally stable. The ideal filament for functional and mechanical parts, such as RC/drones components.

		Test Method	Typical Value
<i>Physical Properties</i>	Specific Gravity	ISO 1183	1.19 g/cc
	Melt Flow Rate	ISO 1133	N.D.

		Test Method	Typical Value
<i>Mechanical Properties</i>	Impact Strength	ISO 179	3.8 kJ/m ²
	Tensile Strength at Yield	ISO 527	52.5 MPa
	Strain at Yield	ISO 527	4.2%
	Tensile Modulus	ISO 527	3800 MPa

		Test Method	Typical Value
<i>§</i>	Printing Temperature	-	220-260°C
	Melting Temperature	ISO 294	230°C ± 10°C
	Viscat Softening Temperature	ISO 306	80°C

		Tolerance	Roundness
<i>Filament Specifications</i>	Diameter		
	1.75mm	± 0.05mm	>95%
	2.85mm	± 0.05mm	>95%