

FGF ABS CF

FGF ABS CF is suitable for higher demanding applications, requiring more strength and stiffness

Material features:

- High stiffness
- Easy to print
- Good layer adhesion

Colours:

Available in its natural black colour.

Packaging:

FGF ABS CF is available in 20kg bag

Processing recommendations

Drying	4hr,80°C. <250ppm
Zone 1 Temperature	240±20 °C
Zone 2 Temperature	240±20 °C
Zone 3 Temperature	240±20 °C
Mass temperature	230-250°C
Die temperature	240±20 °C

Material properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,1 g/cc
MFR 220°C/10 kg	ISO 1133	3 g/10min
Tensile Strength at Yield	ISO 527	87 MPa
Tensile Strength at Break	ISO 527	89 MPa
Elongation-Strain at Yield	ISO 527	1%
Elongation-Strain at Break	ISO 527	1%
Tensile modulus	ISO 527	12500 MPa
Impact strength - Charpy notched 23°C	ISO 179	4 kJ/m ²
Vicat softening temperature B50	ISO 306	104 °C
Heat deflection temperature A	ISO 75	99 °C
Mold shrinkage	Internal method (ISO 294-4 based)	0,06%

Additional info:

Please consider the use of a hardened steel nozzle and, if used, a gear pump, when printing with FGF ABS CF. The carbon fibers are abrasive and will result in fast wear of brass nozzles.

Storage: Cool and dry (15-25°C) and away from UV light.

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