FGF PC CF

FGF PC CF is suitable for higher demanding applications, requiring more strength and stiffness, and higher temperature resistance. Autoclavable at 121&134°C

Material features:
- High stiffness
- Easy to print
- Good layer adhesion

Colours:
Colours on request. Ask your accountmanager.

Packaging:
FGF PC CF is available in 20kg bag

Processing recommendations		
Drying		4hr,120°C. <200ppm
Zone 1 Temperature		260±20 °C
Zone 2 Temperature		270±20 °C
Zone 3 Temperature		280±20 °C
Mass temperature		260-280°C
Die temperature		280±20 °C

Material properties		
Description	**Testmethod**	**Typical value**
Specific gravity	ISO 1183	1,26 g/cc
MFR 260°C/5 kg	ISO 1133	25 g/10min
Tensile Strength at Yield	ISO 527	120 MPa
Tensile Strength at Break	ISO 527	121 MPa
Elongation-Strain at Yield	ISO 527	1,3%
Elongation-Strain at Break	ISO 527	1,3%
Tensile modulus	ISO 527	14000 MPa
Impact strength - Charpy notched 23˚C	ISO 179	8 kJ/m^2
Vicat softening temperature B50	ISO 306	146°C
Heat deflection temperature A	ISO 75	137°C
Mold shrinkage	Internal method (ISO 294-4 based)	0,21%

Additional info:
Please consider the use of a hardened steel nozzle and, if used, a gear pump, when printing with PC 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.