

FGF PIPG Glassfiber (19%)

PIPG filled with glassfiber to improve the impact strength in combination with an economical solution. Exists for 81% out of post-industrial PET-G.

Material features:

- High impact
- Stiff
- 19% glassfiber

Colours:

FGF PIPG Glassfiber (19%) is available in 5 colours.



Packaging:

FGF PIPG Glassfiber is available in 20kg bag

Processing recommendations

Drying	4hr,65°C. <400ppm
Zone 1 Temperature	230±20 °C
Zone 2 Temperature	230±20 °C
Zone 3 Temperature	230±20 °C
Mass temperature	230-250 °C
Die temperature	230±20 °C

Material properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,37 g/cc
MFR 200°C/5 kg	ISO 1133	1,2 g/10min
Tensile Strength at Yield	ISO 527	76 Mpa
Tensile Strength at Break	ISO 527	76 Mpa
Elongation-Strain at Yield	ISO 527	2,7%
Elongation-Strain at Break	ISO 527	3,2%
Tensile modulus	ISO 527	5670 Mpa
Impact strength - Charpy notched 23°C	ISO 179	7,5 kJ/m2
Vicat softening temperature	ISO 306	N/A
Mold shrinkage	internal method (ISO 294-4 based)	0,14%

Additional info:

The glassfiber is mildly abrasive, please consider the use of a hardened steel nozzle and, if used, a gear pump, when printing with FGF PIPG Glassfiber. Do not use a breaker plate with screen.

Storage: Cool and dry (15-25°C) and away from UV light. This enhances the shelf life significantly.