

# FGF PIPG Glassfiber (30%)

PIPG filled with glassfiber to improve strength in combination with an economical solution. Exists for 70% out of post-industrial PET-G.

## Material features:

- Matt surface finish
- High strength
- Stiff
- 30% glassfiber



## Colours:

Colours on request. Ask your accountmanager.

## 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	1,48 cc
MFR 200°C/5 kg	ISO 1133	1,98 g/10min
Tensile Strength at Yield	ISO 527	91 Mpa
Tensile Strength at Break	ISO 527	91 Mpa
Elongation-Strain at Yield	ISO 527	2%
Elongation-Strain at Break	ISO 527	2%
Tensile modulus	ISO 527	8245 Mpa
Impact strength - Charpy notched 23°C	ISO 179	5,3 kJ/m2
Vicat softening temperature	ISO 306	N/A
Mold shrinkage	internal method (ISO 294-4 based )	0,16%
Thermal expansion coefficient	ISO 11359	7,74 ×10 <sup>-5</sup> mm/mm°C

## Additional info:

The glassfibre 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.

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