

FGF Recycled PET-G

FGF Recycled PET-G is a strong, high clarity, odor neutral material. These characteristics, together with the high impact strength, excellent flexibility and practically no shrinkage make PET-G an excellent material which combines the advantages of both PLA and ABS.

Material features:

- High clarity
- Strong & Flexible
- Almost no “warping”
- Odor neutral printing



Colours:

Colours on request. Ask your accountmanager.

Packaging:

FGF recycled PET-G is available in 20kg bag

Processing recommendations

Drying	4hr,65°C*. <400ppm
Zone 1 Temperature	190±20 °C
Zone 2 Temperature	205±20 °C
Zone 3 Temperature	230±20 °C
Mass temperature	237 °C
Die temperature	250±20 °C

Material properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,27 g/cc
MFR 190°C/2,16 kg	ISO 1133	6,4 g/10min
Tensile Strength at Yield	ISO 527	50 Mpa
Elongation-Strain at Yield	ISO 527	5,9%
Elongation-Strain at Break	ISO 527	23%
Tensile modulus	ISO 527	2020 Mpa
Impact strength - Charpy notched 23°C	ISO 179	8,1 kJ/m2
Vicat softening temperature	ISO 306	72°C
Mold shrinkage	Internal method (ISO 294-4 based)	0,2-0,5%

Additional info:

*It is advised to either have an agitated dryer, or dry at a lower temperature for a longer period. This avoids that the pellets stick to each other during drying.

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