

FGF Recycled PIPG

FGF Recycled PIPG (**Post-Industrial PET-G**) is strong & flexible, odor neutral. This material shows very low shrinkage and almost no warping which makes it an excellent material, because it combines the advantages of both PLA and ABS. This material is a great innovation and supports our circular sustainable philosophy.

Material features:

- Post Industrial Recycled Grade
- Strong & Flexible
- Limited Smell
- Low “Warping “

Colours:

Colours on request. Ask your accountmanager.



Packaging:

FGF recycled PIPG is available in 20kg bag

Processing recommendations

Drying		4hr,65°C*. <400ppm
Zone 1 Temperature		180±20 °C
Zone 2 Temperature		200±20 °C
Zone 3 Temperature		215±20 °C
Mass temperature		219 °C
Die temperature		240±20 °C

Material properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,25 g/cc
MFR 200°C/5 kg	ISO 1133	8 g/10min
Tensile Strength at Yield	ISO 527	49 Mpa
Tensile Strength at Break	ISO 527	20 Mpa
Elongation-Strain at Yield	ISO 527	4%
Elongation-Strain at Break	ISO 527	33%
Tensile modulus	ISO 527	2000 Mpa
Impact strength - Charpy notched 23°C	ISO 179	2,6 kJ/m2
Vicat softening temperature	ISO 306	N/A
Mold shrinkage	Internal method (ISO 294-4 based)	0,37%

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.

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