



# FGFT® Recycled PETG 5% Glass Fiber

Item no.: RPETG-5GF-NA01-X-XX

## Technical information

Description	Method	Typical value
Specific gravity	ISO 1183	1,32 g/cc
MFI 200 °C/5kg	ISO 1133	gr/min
Tensile modulus (E)	ISO 527	1710 Mpa
Tensile strength at yield	ISO 527	58 Mpa
Tensile strength at break	ISO 527	21 Mpa
Elongation at break		
Impact strength – charpy method 23 °C	ISO 179	2,7 kJ/m2
Vicat	ISO 306	°C
Mold shrinkage		

FGFT® Recycled PETG is an ideal balance of strength, flexibility and printability. Designed to enhance the capabilities of standard PETG, this reinforced material offers improved mechanical properties without sacrificing ease of use.

### Material features:

- Enhanced durability
- Dimensional stability
- Improved heat resistance
- User-friendly
- Lightweight and strong

## Printing recommendations

Pre-drying	Hot air 70°C / 6 hrs - dry air 70°C / 3 hrs
Zone 1 temperature	195-235°C
Zone 2 temperature	215-245°C
Zone 3 temperature	215-245°C
Zone 4 temperature	215-245°C
Mass temperature	215-245°C
Die temperature	215-245°C
Max. moisture content	0,04%

### Applications:

- Prototyping
- Lightweight functional parts
- Durable consumer goods
- Industrial and outdoor components

### Additional information:

- Store cool and dry (15-25 °C)
- Available in cylindricals and UWG
- For FGF applications

All raw materials used in the production of products are in conformity with the REACH regulation (EC) no. 1907/2006.

**Disclaimer:** All above-mentioned data have been carefully checked according specific testing procedures and/or based on of raw material data and experience with compatible formulations. The data are provided for informational purposes only.

Therefore, no guarantee or warranty can be expected from these data. They are part of the quality and delivery specifications. The applicability of the product should be tested under local processing conditions at the converter.