



FGFT® Recycled PETG 19% Glass Fiber UV Natural

Item no.: RPETG-19GFUV-NA02-X-XX

Technical information

Description	Method	Typical value
Specific gravity	ISO 1183	1,40 g/cc
MFI 200°C/5kg	ISO 1133	2 gr/ 10 min
Tensile modulus (E)	ISO 527	4760 Mpa
Tensile strength at yield	ISO 527	83 Mpa
Tensile strength at break	ISO 527	79 Mpa
Elongation at break		
Impact strength – charpy method 23 °C	ISO 179	10,4 kJ/m2
Vicat	ISO 306	°C
Mold shrinkage		

FGFT® Recycled PETG with UV is a reinforced, high-performance material that combines the versatility of PETG with the strength and durability of glass fiber reinforcement, making it ideal for demanding applications.

Material features:

- Enhanced strength and stiffness
- Dimensional stability
- Heat resistance
- Easy-to-print
- Weather and UV resistant
- Resilient to wear and impact

Printing recommendations

Pre-drying	Hot air 70°C / 6 hrs - dry air 70°C / 3 hrs
Zone 1 temperature	200-240°C
Zone 2 temperature	220-250°C
Zone 3 temperature	220-250°C
Zone 4 temperature	220-250°C
Mass temperature	220-250°C
Die temperature	220-250°C
Max. moisture content	0,04%

Applications:

- Functional prototypes
- Mechanical parts and tools
- Industrial components
- Structural models

Additional information:

- Store cool and dry (15-25 °C)
- Available in cylindrical 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.