FGFT® Recycled PETG 15% Glass Fiber Flame Retardant

Item no.: RPETG-15GFV0-NA01-x-xx

Technical information

Description	Method	Typical value
Specific gravity	ISO 1183	1,39 g/cc
MFI 200 °C/5kg	ISO 1133	1,2 gr/10 min
Tensile modulus (E)	ISO 527	4730 Mpa
Tensile strength at yield	ISO 527	74 Mpa
Tensile strength at break	ISO 527	70 Mpa
Elongation at break		
Impact strength – charpy method 23 °C	ISO 179	6,5 kJ/m2
Vicat B 50N	ISO 306	°C
Mold shrinkage		

Printing recommendations	
Pre-drying	Hot air 70°C / 6 hrs – 70 dry air °C / 3 hrs
Zone 1 temperature	± 210°C
Zone 2 temperature	± 220°C
Zone 3 temperature	± 230°C
Zone 4 temperature	± 240°C
Mass temperature	°C
Die temperature	°C
Max. moisture content	%

FGFT® RPETG 15% Glass Fiber Flame Retardant UL94 V-0 is designed to ensure safety without compromising performance. Engineered to meet the stringent UL94 V-0 classification. This compound is specifically designed for applications requiring flame retardancy, durability, and ease of use in 3D printing.

Material features:

- Flame Retardant Properties
- Durability and Strength
- Thermal Stability
- Easy to Print
- Chemical Resistance

Applications:

- Electrical and electronic enclosures
- Industrial equipment and housings
- Automotive components requiring flame retardancy
- Safety-critical prototypes and functional parts

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.*

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