



FGFT® PLA Flame Retardant UL94 V0

Item no.: PLA-VO-NA01-X-XX

Technical information

Description	Method	Typical value
Specific gravity	ISO 1183	2,1 g/cc
MFI 210 °C/5kg	ISO 1133	10 gr/min
Tensile modulus (E)	ISO 527	3500 Mpa
Tensile strength at yield	ISO 527	59,8 Mpa
Tensile strength at break	ISO 527	57,1 Mpa
Elongation at break		
Impact strength – charpy method 23 °C	ISO 179	2,1 kJ/m2
Vicat	ISO 306	<60 °C
Mold shrinkage		

FGFT® PLA Flame Retardant 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

Printing recommendations

Pre-drying	Hot air 60°C / 6 hrs - dry air 60°C / 3 hrs
Zone 1 temperature	140 – 200 °C
Zone 2 temperature	180 – 220 °C
Zone 3 temperature	180 – 220 °C
Zone 4 temperature	180 – 220 °C
Mass temperature	180 – 220 °C
Die temperature	180 – 220 °C
Max. moisture content	0,02 %

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.