Fritz 3D Filament: PLA

Technical Data Sheet

Fritz 3D PLA is a filament based on polylactide which belongs to aliphatic polymers. It shows full biodegradability. It comes with intense colors in a broad spectrum. Moreover, the choice of an appropriate dye base for the pellets for filament extrusion ensures a highly efficient printing with an extremely good adhesion of printed items to the build beds of FDM/FFF 3D printers.

Material features:

- Made of biodegradable raw materials
- Good mechanical properties
- Chemical resistant
- Wide range of available colors

Material properties:

Description	Test method	Typical value
Specific gravity	ASTM D792	1,24g/cc
MFR 210°C	ASTM D1238	6g/10min
Tensile Strength at Yield (MPa)	ASTM D638	62Mpa
Strain at break	ASTM D638	20%
E-Modulus	ASTM D638	3200MPa
Flexural strength	ASTM D790	83MPa
Printing temp.	DF	190-220°C
Melting temp.	-	150-180°C
HDT	ASTM D648	58°C
Glass transition temp.	ASTM E2092	60°C
RoHS compliance		yes
REACH compliance		yes

The numbers presented are typical values intended for reference and comparison purposes only. The performance characteristics of 3D printed parts may vary according to build conditions, print settings or applications.

Additional information:
Storage: Cool, dry (15-25˚C) and away from light.

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