



Technical data sheet

PETG

The PETG is a medical grade filament composed of polyethylene glycol. This filament is made from granules with ISO1993-5 certification. This amorphous thermoplastic will therefore make it possible to make 3D parts such as prototypes of medical device packaging or prototypes of DM in contact with fluids (respirators, breathing duct, suction ...).



Product identification

Product	PETG – Polyethylene Glycol
Reference	PF-PTG
Technology	FDM - Filament Deposition
Diameters	1.75 mm – 2.85 mm
Color	Transparent
Rigidity	Rigid
Sterilization	Ethylene oxide

Benefits

- High thermal resistance
- Low deformation
- Good mechanical resistance
- Good impact resistance

Applications

- Packaging and prototypes of medical devices
- Blister prototypes

Technical properties

TESTS	SECURITIES
Blending range	Amorphous
Glass transition	70-90°C
Degradation temperature	>250°C
Maximum train (traction)	35 MPA
Elongation at break	7 %

Print properties

Printing temperature	230-245°C
Tray temperature	75-85°C
Print speed	40-70 mm/s
Cooling fan speed	10 - 50 %

Indication for use

The PETG is compatible with most 3D printers equipped with a heating bed and can receive 2.85mm or 1.75mm filament.

Warning: Under no circumstances can this product be implanted in humans. Lattice Services assumes no responsibility for the medical use of this product.

Disclaimer

The values presented in this document are for reference and comparison purposes only. This data may vary depending on printing conditions, materials, part design, environmental conditions, and should not be used for specification or quality control purposes.

Each user is responsible for compliance with the safety standards of the product and its employees, its use, respect for the environment, waste disposal and recycling rules. Lattice Services makes no warranty, unless separately stated, as to fitness for any use or application.

Lattice Services shall not be liable for any damage, injury or loss resulting from the use of these materials in any application.

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