PrintaMent PET-G

DATASHEET

Description

PET-G is a strong, high clarity, odor neutral and easy to print filament for 3D printing. These characteristics, together with the high impact strength, excellent flexibility and practically no shrinkage make PET-G an excellent material which combines the advantages of both PLA and ABS. The filament is hydrophobic and therefore does not absorb water. In short, PET-G has many great features and is the perfect addition to any filament assortment.

Features

- High clarity
- Strong & Flexible
- Almost no "warping"
- Hydrophobic
- Food Contact Acceptable
- Odor neutral printing

Colors

Clear – Black - Snow White - Red - Blue – Dark Blue - Lime Green - Basalt Grey - Gold - Silver - Flash Yellow - Flash Orange – Yellow Transparent - Red Transparent Green Transparent - Blue Transparent – Black Transparent

Additional Info

Recommended temperature for heated bed is ± 35-60℃. Adhesion is possible on different surfaces. PET-G can be used on all common desktop FDM or FFF technology 3D printers. Storage: Cool and dry (15-25℃)

and away from UV light. This enhances the shelf life significantly.

Technical Data

Dimensions

Size	Tolerance	Roundness
Ø1,75mm	±0,05mm	>95%
Ø2,85mm	±0,10mm	>95%

Physical Properties

Description	Typical Value
Specific gravity	1,27 g/cc
Mold shrinkage	0,2-0,5%
Tensile strength @yield	50 MPa
Elongation at break	120%
Flexural modulus	2150 MPa
Impact Strength Izod Notched 23℃	85 J/m
Rockwell Hardness	105
Moisture absorption	0,13%

Thermal Properties

Size	Roundness
printing temp.	195-220℃
Heat Distortion T.	70℃
Light Transmittance	90%