

PIPG

PIPG (recycled Post-Industrial PET-G) filament is strong & flexible, odor neutral and easy to print on most of the conventional desktop printers with a heated build plate. Very low shrinkage and almost no warping make PIPG an excellent material which combines the advantages of both PLA and ABS.

This material is a great innovation which supports our circular sustainable philosophy.

Material features:

- Post Industrial Recycled Grade
- Strong & Flexible
- Easy to Print
- Limited Smell
- Almost no "Warping"

Colours:

PIPG is available in 8 colours.



Packaging:

PIPG is available in nearly any type of packaging and labelling. Ask our team to help you customizing your product.

Filament specs.

Size	Ø tolerance	Roundness
1,75mm	± 0,05mm	≥ 95%
2,85mm	± 0,10mm	≥ 95%

Material properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,25 g/cm ³
MFR 200°C/5 kg	ISO 1133	7,3 g/10 min
Tensile Strength at Yield	ISO 527	46 MPa
Strain at Yield	ISO 527	4%
Strain at Break	ISO 527	61%
Tensile Modulus	ISO 527	2050 MPa
Impact Strength - Charpy Method at 23°C - notched	ISO 179	4,9 kJ/m ²
Printing Temperature	DF	240±10°C

Additional info:

Recommended temperature for heated bed is ± 60-80°C. Adhesion is possible to different surfaces.

PIPG can be used on all common desktop FDM or FFF technology 3D printers.

The only difference that could occur is the fan speed from normal PET-G parameters. If you have any cracking/delamination, please reduce your fan speed.

Storage: Cool and dry (15-25°C) and away from UV light. This enhances the shelf life significantly.