

MakerPoint PET-G

MakerPoint PET-G is a strong, high clarity, odor neutral and easy to print filament. Its characteristics, together with the high impact strength, excellent flexibility and 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. PET-G has many great features and is the perfect filament to have in addition to PLA and ABS. Also because it is Food Contact Acceptable (FCA).

Features:

- High clarity
- Strong & Flexible
- Almost no "warping"
- Hydrophobic (Does not absorb water)
- Food Contact Acceptable
- Odor neutral printing

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

Colors
MakerPoint PET-G is available from stock in 6 translucent colors, black and white. Special colors are available upon request with a minimum order quantity of 20kg.

3D-printing	
Description	Typical value
Printing technology	FFF
Printing temp.	195-220°C
Heated bed temp.	± 35-90°C
Cooling fan	100%
Flow Rate	100%

Physical properties		
Description	Test method	Typical value
Density	ASTM D792	1,27 g/cc
Mold shrinkage	ASTM D955	0.2-0.5%
Tensile strength	ASTM D638	50 MPa
Elongation at break	ASTM D638	120%
Fluxural modulus	ASTM D790	2150 MPa
Impact Strength	ASTM D256	85 J/m
Rockwell Hardness	ASTM D785	105
Moisture absorption	ASTM D570	0,13%

Last change: 2014-03-31

The data correspond to our knowledge and experience at the time of publication. They do not on their own represent a sufficient basis for any part design, neither do they provide any agreement about or guarantee the specific properties of a product or part or the suitability of a product or part for a specific application. It is the responsibility of the producer or customer of a part to check its properties as well as its suitability for a particular purpose. This also applies regarding the consideration of possible intellectual property rights as well as laws and regulations. The data are subject to change without notice as part of MakerPoints continuous development and improvement processes.

Thermal properties		
Description	Test method	Typical value
Heat Distortion T.	ASTM D648	70°C
Light Transmittance	ASTM D1003	90%

Last change: 2014-03-31

The data correspond to our knowledge and experience at the time of publication. They do not on their own represent a sufficient basis for any part design, neither do they provide any agreement about or guarantee the specific properties of a product or part or the suitability of a product or part for a specific application. It is the responsibility of the producer or customer of a part to check its properties as well as its suitability for a particular purpose. This also applies regarding the consideration of possible intellectual property rights as well as laws and regulations. The data are subject to change without notice as part of MakerPoints continuous development and improvement processes.