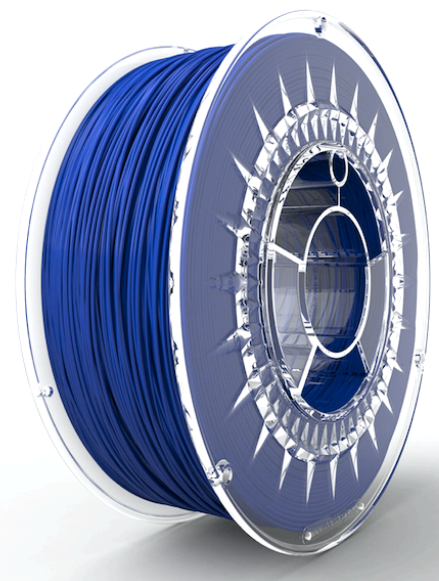


Product card: PET-G filament for 3D printing.

**Product description:** Filament PET-G - a thermoplastic polymer from the group of polyesters in the form of fiber, used for 3D printing using the FFF method. Filament wound on a spool, vacuum packed with a moisture absorber. The spool contains 1 kg of net material. It can be used in all FFF printers that are not protected from external suppliers and open source structures before using. PET-G is a material friendly for beginners, material available in covering and transparent colors.

Physical properties of the product:

Diameter of filament	1.75 mm / 2.85 mm
Dimensional tolerance of filament	+/- 0.05 mm
Roundness of filament	+/- 0.02 mm
Surface of the material	High Gloss
Shrinkage of the material	Very low
Product weight	1.0 kg net, 1.36 kg gross
Spool - material	Transparent polycarbonate
Weight of the empty spool	~250 g
The diameter of the spool	200 mm
Width of spool	~70 mm
Diameter of mounting hole	52 mm
Packaging	Printed cardboard
Package size	~205x205x80 mm
Vacuum packing	Yes
Moisture absorber	Yes



Suggested printing parameters:

Hotend	220-250°C
Heated bed	70-80°C
Cooling the printout	Optional

*Due to the structural differences of printers, the above figures should be considered as guidelines and the corresponding values must be determined experimentally.*

Availability of colors and diameters:

Color	RAL	1,75 - 1kg	2,85 - 1kg	Color	RAL	1,75 - 1kg	1,75 - 0,33kg
White	9003	✓	✓	Light Steel		✓	✓
Bright Yellow	2021	✓		Dark Steel		✓	✓
Yellow	1005	✓		Galaxy Red		✓	
Bright Orange	2003	✓		Galaxy Gray		✓	
Dark Orange	2002	✓		Galaxy Super Blue		✓	
Red	3031	✓		Galaxy Violet	4005	✓	
PC Gray	7044	✓		Galaxy Green		✓	
Gray	7005	✓		Galaxy Black	8022	✓	
Dark Gray	7021	✓		Transparent	9000	✓	
Blue	5012	✓		Bright Orange Transparent	2008	✓	
Super Blue	5010	✓		Amber Transparent		✓	
Ocean Blue	5025	✓		Bright Green Transparent	6020	✓	
Mint	6027	✓		Green Transparent	6025	✓	
Light Green	6032	✓		Ruby Red Transparent	3001	✓	
Bright Green	6018	✓		Blue Transparent	6033	✓	
Emerald Green	5021	✓		Super Blue Transparent	5005	✓	
Olive Green	6003	✓					
Race Green	6005	✓					
Silver	7011	✓					
Beige	1014	✓					
Dark brown		✓					
Black	8022	✓	✓				

## Physical properties of the material:

Specific Density	1.23 g/cm <sup>3</sup>	-
Glass Transition Temperature	80°C	ASTM 3418
Moisture	≤ 0.3%	-

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