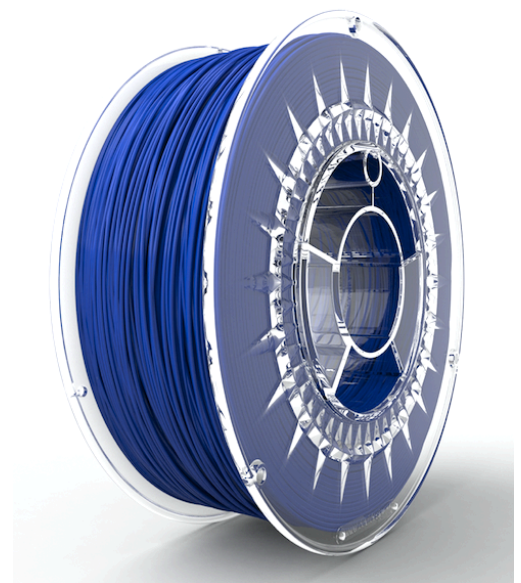**Product card:** PET-G filament for 3D printing.

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, 1.4 kg gross
Spool - material	Transparent policarbonate
Weight of the empty spool	~257 g
The diameter of the spool	200 mm
Width of spool	~70 mm
Diameter of mounting hole	52 mm
Packaging	Printed cardboard
Package size	~230x210x80 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.

Physical properties of the material:

Specific Density	1.23 g/cm3	-
Glass Transition Temperature	80°C	ASTM 3418
Moisture	≤ 0.3%	-

Availability of colors and diameters:

Color	Kolor	1.75	2.85
White	Biały	✔	✔
Bright Yellow	Jasnożółty	✔	✔
Orange	Pomarańczowy	✔	
Red	Czerwony	✔	✔
Gray	Szary	✔	
Blue	Błękitny	✔	
Super Blue	Niebieski	✔	✔
Bright Green	Jasnozielony	✔	✔
Black	Czarny	✔	✔
Transparent	Transparentny	✔	
Bright Yellow Transparent	Jasnożółty Transparentny	✔	
Bright Green Transparent	Jasnozielony Transparentny	✔	
Ruby Red Transparent	Rubinowy Transparentny	✔	
Blue Transparent	Błękitny Transparentny	✔	

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