# DevilDesign

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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.

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### 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	$\checkmark$	$\checkmark$
Bright Yellow	Jasnożółty	$\checkmark$	$\checkmark$
Orange	Pomarańczowy	$\checkmark$	
Red	Czerwony	$\checkmark$	$\checkmark$
Gray	Szary	$\checkmark$	
Blue	Błękitny	$\checkmark$	
Super Blue	Niebieski	$\checkmark$	$\checkmark$
Bright Green	Jasnozielony	$\checkmark$	$\checkmark$
Black	Czarny	$\checkmark$	$\checkmark$
Transparent	Transparentny	$\checkmark$	
Bright Yellow Transparent	Jasnożółty Transparentny	$\checkmark$	
Bright Green Transparent	Jasnozielony Transparentny	$\checkmark$	
Ruby Red Transparent	Rubinowy Transparentny	$\checkmark$	
Blue Transparent	Błękitny Transparentny	$\checkmark$	

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