

PRODUCT NAME: 3D FILAMENT PET-G Standard 1,75mm

PRODUCT DESCRIPTION: PET-G Standard filament - poly(ethylene terephthalate) with addition of glycol in the form of a thread, designed for 3D printing using the FFF/FDM method. Filament coiled on spools, vacuum-packed with desiccant in a PET/PE bag, and then in a box.

STORAGE: Store in dry area. Store in a closed container.

PRODUCT PARAMETERS

Parameter	Value
Filament diameter [mm]	1,75
Diameter tolerance [mm]	+/- 0,05
Oval tolerance [mm]	+/- 0,02
Net weight [g]	small spool: 800
	large spool: 3000
Weight with packaging [g]	small spool: 1200
	large spool: 4000
Spool weight [g]	small spool: 245
	large spool: 710
Spool dimensions [mm] (Ø / height / hole ø)	small spool: 200/55/52
	large spool: 300/103/52
Box dimensions [mm]	small spool: 235/215/65
	large spool: 340/320/115
Finish	glossy

RECOMMENDED PRINTING PARAMETERS

Parameter	Value
Print temperature [°C]	220-260
Bed temperature [°C]	60-80

PHYSICAL PARAMETERS OF THE MATERIAL

Parameter	Value	Unit	Test method
Density	1,29	g/cm ³	-
Tensile modulus	2980	MPa	ISO 527-2

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Tensile strength at break	20	MPa	ISO 527-2
Izod impact strength (notched)	4,7	kJ/m ²	ISO 180
HDT	78	°C	ISO 306
Flame rating	V2	-	UL94 (4,0 mm)
Food Contact Approval	YES	-	-

The values above have been measured using standard test specimens made of non-colored material at room temperature. The figures should be considered as indicative values only. Actual properties of PET-G Standard parts can be affected by the printing parameters, design of the model, ambient conditions, application of the printout etc. It is essential that users test our products to determine whether they are suitable for their intended use. ROSA PLAST Sp. z o.o. accepts no liability for any health detriment or material losses or any other losses related to the use of the material.



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