

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

PRODUCT DESCRIPTION: PET-G CarbonLook filament - poly(ethylene terephthalate) with addition of glycol and carbon fiber in the form of a thread, designed for 3D printing using the FFF/FDM method. Filament coiled on spools or cardboard core (no spool), vacuum-packed with desiccant in a PA/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]	500	1000	1000 (ReFill)
Weight with packaging [g]	900	1400	1200
Spool weight [g]	Transparent PC: 245	Transparent PC: 260	Cardboard core: 30
	ECO PP wood: 190	ECO PP wood: 205	
		Masterspool ROSA3D: 250	
Spool dimensions [mm](ϕ / height / hole ϕ)	Transp. PC: 200/55/52	Transp. PC: 200/68/52	Cardboard core: 99/57/94
	ECO PP wood: 200/57/52	ECO PP wood: 200/70/52	
		Masterspool ROSA3D: 201,7/65/52	
Box dimensions [mm]	220/210/65	220/210/75	220/210/65

RECOMMENDED PRINTING PARAMETERS

Parameter	Value
Print temperature [°C]	225-250
Bed temperature [°C]	60-80
Cooling [%]	0-60
Closed chamber	Not necessary
Drying conditions: [°C/h]	60/4

PHYSICAL PARAMETERS OF THE MATERIAL

Parameter	Value	Unit	Test method
Density	1,29	g/cm ³	-
Tensile modulus	3515	MPa	ISO 527-2
Tensile strength at break	44	MPa	ISO 527-2
Izod impact strength (notched)	4,6	kJ/m ²	ISO 180
Heat distortion temperature	77	°C	ISO 306

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 CarbonLook 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.

