

PRODUCT NAME: 3D FILAMENT PLA Starter 1,75mm

PRODUCT DESCRIPTION: PLA Starter filament - poly(lactic acid) 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]	800	1000	1000 (ReFill)	3000	4500
Weight with packaging [g]	1200	1400	1200	4000	5500
Spool weight [g]	Transparent PC: 245	Transparent PC: 260	Cardboard core: 30	710	850
	ECO PP wood: 190	ECO PP wood: 205			
		Masterspool ROSA3D: 250			
Spool dimensions [mm] (∅ / height / hole ∅)	Transp. PC: 200/55/52	Transp. PC: 200/68/52	Cardboard core: 99/57/94	300/100/52	300/100/52
	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	325/310/110	325/310/110

RECOMMENDED PRINTING PARAMETERS

Parameter	Value
Print temperature [°C]	190-225
Bed temperature [°C]	40-60
Cooling [%]	70-100
Closed chamber	Not necessary
Drying conditions: [°C/h]	50/4

PHYSICAL PARAMETERS OF THE MATERIAL

Parameter	Value	Unit	Test method
Density	1,24	g/cm ³	-
Tensile modulus	3495	MPa	ASTM D882
Tensile strength at break	53	MPa	ASTM D882
Elongation at break	6	%	ASTM D882
HDT A	55	°C	ASTM E2092
Food Contact Approval	YES	-	FCA declaration in separate document

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 PLA Starter 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.

