

PRODUCT NAME: 3D FILAMENT PLA-Silk 1,75mm

PRODUCT DESCRIPTION: PLA-Silk filament is a polymer blend based on polylactic 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 (ReFill)
Weight with packaging [g]	1200	1200
Spool weight [g]	Transparent PC: 245	Cardboard core: 30
	ECO PP wood: 190	
	Masterspool ROSA3D: 250	
Spool dimensions [mm] (ϕ / height / hole ϕ)	Transp. PC: 200/55/52	Cardboard core: 99/57/94
	ECO PP wood: 200/57/52	
	Masterspool ROSA3D: 201,7/65/52	
Box dimensions [mm]	220/210/65	220/210/65

RECOMMENDED PRINTING PARAMETERS

Parameter	Value
Print temperature [°C]	195-225
Bed temperature [°C]	40-60
Cooling [%]	50-100
Closed chamber	Not necessary
Drying conditions: [°C/h]	50/4

PHYSICAL PARAMETERS OF THE MATERIAL

Parameter	Value	Unit	Test method
Density	1,25	g/cm ³	ISO 1183
Odor	none	-	-

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-Silk 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.

