

BASIC INFORMATION

PRODUCT NAME:	FILAMENT 3D PLA Galaxy 1,75mm
PRODUCT DESCRIPTION:	PLA Galaxy filament is a poly(lactic acid) filament with the addition of glitter particles, in the form of a filament, designed for FFF/FDM printing. The supplied filament is wound on a spool or on a cardboard coil (without spool), vacuum sealed in a bag with moisture absorber and packed in a cardboard box.
STORAGE:	Store in a dry place 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 (ReFill)
Weight with packaging [g]	900	1200
Spool weight [g]	Masterspool ROSA3D: 244	Cardboard core: 30
Spool dimensions [mm] (ϕ / height / hole ϕ)	Masterspool ROSA3D: 200/51/52	Cardboard core: 99/57/94
Box dimensions [mm]	220/210/65	220/210/65

RECOMMENDED PRINTING PARAMETERS

PARAMETER	VALUE
Print temperature[°C]	190-225
Bed temperature [°C]	40-60
Cooling [%]	70-100
Closed chamber	Not required
Drying conditions [°C/h]	50/4

*depending on fan capacity

PHYSICAL PARAMETERS OF THE MATERIAL

Parameter	Value	Unit	Test method
Density	1,24	g/cm ³	-
Odour	bezwonny	-	-
Tensile modulus	3495	MPa	ASTM D882
Tensile strength at break	53	MPa	ASTM D882
Tensile elongation	6	%	ASTM D882
HDT	55	°C	ASTM E2092

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 Galaxy 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. Additional documents, certificates and detailed technical information can be provided on special request.

