

# TECHNICAL DATA SHEET

## Galaxy PLA

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### Product specifications

Galaxy PLA is a deep metallic colored PLA type of 3D printer filament with a high content of silver aluminum particles inside, which gives 3D printed parts a sparkling galaxy-like effect.

### Important key features

Extremely glittering & shimmering surface finish  
Not abrasive to the nozzle of 3D printers  
Warp-free printing and no deformation after cooling

### Suitable applications

Home deco  
Art & Graphics

### Recommended pretreatment

#### Drying

Not necessary  
30 - 40 °C  
6 h

#### Print with

Enclosure No  
Dry box No

### Recommended print settings regular speed

Print speed 25 - 90 mm/s  
Nozzle temperature 185 - 215 °C  
Bed temperature 50 - 60 °C  
Fan speed 80 - 100 %

### Material properties

	Typical value	Unit of Measure	Test method	Test condition
Density				
Specific gravity	1,24	g/cm <sup>3</sup>	ASTM D792	
Melt flow rate	6	g/10min	ASTM D1238	210°C/2,16kg

### Mechanical properties

Impact strenght	16	J/m	ASTM D256	Izod notched 23°C
Tensile strenght at yield	60	MPa	ASTM D882	
Tensile strenght at break	53	MPa	ASTM D882	
Tensile modulus	3,5	MPa	ASTM D882	
Elongation at yield	6	%	ASTM D882	
Elongation at break				
Flexural strenght	83	MPa	ASTM D790	
Flexural modulus	3,8	MPa	ASTM D790	
Rockwell hardness				

### Thermal properties

Melting temperature				
Heat deflection temperature	55	°C	ASTM E2092	HDT A
Vicat softening temperature				
Glass transition temperature	60	°C	ASTM D3418	

### Product export information

#### HS code

39169090

#### Description

Monofilament for 3D printing

#### Origin

European Union

### Disclaimer

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