

123-3D JUPITER SERIES

Data sheet

High definition, no shrinkage and good adherence

Easy printable, biodegradable PLA filament that's suitable for all 3D-printers. The exceptional surface finish and vivid colours bring every piece to life. The filament has excellent adherence and no shrinkage, which make this an ideal choice for small and big prints.



PHYSICAL PROPERTIES	AVERAGE VALUES	UNITS	STANDARDS
Density	1,24	g/cm ³	
Flow rate (210°C /2.16KG)	8	g/10 min	ISO 1133-A
Flow rate (190°C /2.16KG)	3	g/10 min	ISO 1133-A
Stereochemical purity	96	(% L-isomero)	
Residual monomer	0.3% (max)		
Moisture (Coulometric Karl Fischer)	400 (max)	ppm	
Melting temperature	155 °C	°C T _m (DSC)	
Glass transition temperature	55 - 60 °C	°C T _g (DSC)	

MECHANICAL PROPERTIES	AVERAGE VALUES	UNITS	STANDARDS
Tensile modulus	3500	MPa	ISO 527-I
Tensile strength	45	MPa	ISO 527-I
Strain at yield	5% (max)		ISO 527-I
Charpy notched impact, 23°C	≤5	kJ/m ²	ISO 179-1eA

PRINTING PROPERTIES	AVERAGE VALUES	UNITS	STANDARDS
Nozzle temperature	195 - 235	°C	
Hot bed temperature	55 - 75	°C	
Cooling fan	ON (100)	%	

SPOOL SIZE	DIAMETER	ON REQUEST	COLOUR	PACKAGING
1.1 Kg	1,75 - 2,85 mm		Various	Cardboard box, vacuum and silica
3 Kg	1,75 - 2,85 mm		Various	Cardboard box, vacuum and silica
5 Kg	1,75 - 2,85 mm	Yes	Various	Cardboard box, vacuum and silica
8 Kg	1,75 - 2,85 mm	Yes	Various	Cardboard box, vacuum and silica



*The indicated parameters are valid for correctly calibrated printers (PID, mechanical and fuser).

* Supervised and tested manufacturing process (diameter, color and winding) to guarantee the quality of the product.