

PLA SILK

Material	PLA polylactide
Color	Available in 10 colors
Properties	Eco-friendly, easy to use, odorless
Diameter	1.75mm / 2.85mm
Diameter tolerance	+/- 0.02mm
Tolerance roundness	98%
Printing temperature	210-230 °C
Heatbed temperature	40-60 °C
Net weight	0.5kg / 1 kg / 3kg / 9kg
Gross weight	0.85kg / 1.4kg / 3.95kg / 10.4kg
Spool dimensions	200x52x43mm / 200x52x80mm / 200x52x100mm / 355x35x165mm
Packaging	Vacuum packaging, carton box, moisture absorber



Properties of the PLA SILK material

PHYSICAL PROPERTIES	UNIT	ASTM METHOD
SPECIFIC GRAVITY,	1.22 g/cm ³	D792
MFR,	6 g/10 min	D1238
MECHANICAL PROPERTY		
TENSILE YIELD STRENGTH,	43 MPa	ISO527
TENSILE STRENGTH AT BREAK,	47 MPa	ISO527
TENSILE MODULUS,	2300 MPa	ISO527
TENSILE ELONGATION,	9%	ISO527
NOTCHED IZOD IMPACT, FT-LB	6 k/Jm ²	ISO180
FLEXURAL STRENGTH,	72 MPa	D790
HEAT DISTORTION TEMPERATURE,	51°C	ISO75
GLASS TRANSITION TEMPERATURE.	55-60 °C	DSC