

PLA Pellets

Mechanical properties	Typical Value	Test Method	Test Condition
Tensile strength at yield	60 MPa	ISO 527	50 mm/min
Tensile strength at break	53 MPa	ISO 527	50 mm/min
Elongation at break	6 %	ISO 527	50 mm/min
Tensile modulus	3600 MPa	ISO 527	50 mm/min
Flexural strength	83 MPa	ISO 178	
Flexural modulus	3800 MPa	ISO 178	
Hardness	77 Shore D	ISO 7619	
Charpy impact strength	-	ISO 179	unnotched
Abrasion resistance	-		

Thermal properties	Typical Value	Test Method	Test Condition
Melting temperature	155 °C	ISO 11357	
Glass transition temperature	55 °C	ISO 11357	
Melt flow index	6 g/10 min	ISO 1133	210 °C, 2.16 kg
Vicat softening temperature	-	ISO 306	
Flame classification	-	UL 94	
Temperature resistance	50 °C		

Chemical properties	Typical Value
Polymer base	Polylactic acid
Good chemical resistance	Water, oils, grasses
Low chemical resistance	Acetone, acids, bases

Other properties	Typical Value	Test Method	Test Condition
Material density	1.24 g/cm ³	ISO 1183	
UV stability	No		
Electrical volume resistivity	10 ¹⁶ Ω·cm		
Food contact	Yes		
Biodegradability	No		
Transmittance	No		



Package size:

- 1 kg
- 5 kg
- 15 kg

Features:

- Easy to print
- High surface hardness
- Wide range of color options
- Biodegradable in industrial composter
- Temperature resistance up to 50 °C

Workability of 3D printing filament is at least 12 months from delivery.

This material can be used to produce electrical and electronic equipment. It doesn't contain restricted substances.

The information was processed with the best knowledge of the manufacturer, and it is for information only.