

Prototyping PLA

Biodegradable, rigid thermoplastic with good dimensional accuracy and surface finish.

Key Attributes

High stiffness and detail, low warpage, good surface finish, brittle relative to ABS.

Properties

Property	Value (Imperial)	Value (Metric)
Maximum Part Size	19.685" x 19.685" x 19.685"	500 × 500 × 500 mm
Minimum Feature Size	.039"	1.0 mm
Tensile Strength	6.5-10 ksi	45 - 69 MPa
e_modulus	435.1-507.6 ksi	3.0–3.5 GPa
Heat Deflection	122-149 °F	50–65 °C
Elongation	2–10%	2–10%

