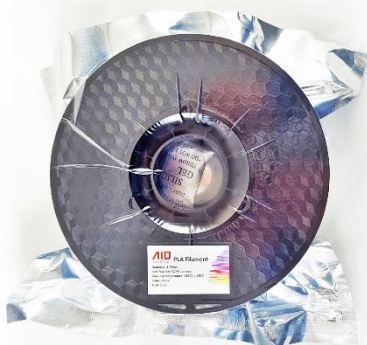


AIO Robotics Premium PLA Filament



Specifications

Filament Material	Spool Weight (loaded)
PLA (Polylactic Acid)	1.57lbs (710g)
Diameter and Tolerance Weight	Spool Dimensions
1.75 mm +/- 0.02mm	Width 1.94 in (49 mm), Diameter 7.81 in (198 mm)
1.10 lbs (500g)	Hole Diameter: 2.0 in (51 mm)
Recommended Nozzle Temperature	Packaging Weight
190°C - 210°C	1.75 lbs (795g)
Packaging Material	Packaging Dimensions
Resealable bag, vacuum sealed, with silica gel	2.1 x 8.0 x 8.0 in (53 x 203 x 203 mm)



Testing Details

Density (ISO 1183)	Flexural Modulus (ISO 178:2001)
1.26 g/cm ³	2100 ~ 2300 MPa
Tensile Strength (ISO 527, 5mm/min)	Unnotched Impact Strength (ISO 180)
55 ~ 65 MPa	13 ~ 17 KJ/m ²
Elongation at Break (ISO 527, 5mm/min)	Heat Deflection Temperature (ISO 75, 0.45MPa)
3 ~ 5 %	0.51 ~ 0.53 mm
Bending Strength (ISO 178:2001)	Shore D Hardness (ISO 7619)
65 ~ 75 MPa	80 ~ 82 (Shore D Scale)