

PRO PLA Filament

SKU FL100PLA-PRO

Xtellar Pro PLA filament is a professional grade PLA filament that is formulated for minimal warpage and is easy to print for all skill levels. It is great for general applications, rapid prototypes, as well as jigs and fixtures. PLA is one of the most popular 3D filaments in the industry due to its versatility and affordability

Recommended Print Settings

Parameter	Units	Range
Extruder Temperature	°C	190 - 220
*Recommended Bed Temperature	°C	30 – 60
*Alternate Bed Temperature / Substrate	°C / Type	Bed Adhesive Glue Stick (Magigoo / Buildtak)
Printing Speed (First Layer)	mm/s	30 - 70 (60% speed)
Fan Speed	%	50 – 100

Printed Part Properties

Parameter	Method	Units	Value
Density	D 792	g/cm ³	1.24
Ultimate Tensile Strength	ISO 527-2	MPa	65
Tensile Modulus	ISO 527-2	MPa	3460
Strain at Break, %	ISO 527-2	%	4.3
Flexural Strength	ISO 178	MPa	105
Flexural Modulus	ISO 178	MPa	2900
Izod Impact Strength, Notched	ISO 180	kJ/m ²	2.7

Notes

1. Recommended process conditions and printed part properties may be changed at any moment without previous communication from Xtellar.
2. For information on about safety, handling, individual protection, first aids and waste disposal, please see SDS. In case of questions regarding utilization or regulatory information, please contact our technical assistance area.