

# PLA+150

PLA+ is a custom formulated blend of PLA which results in a tough material with durability similar to ABS. Sharing many of the printing properties of PLA, it's ideal for the printing larger functional parts without the fear of warping. PLA+'s low shrinkage and uncompromised accuracy allows it to capture detail down to the micron level without compromising on durability. This makes our PLA+ the perfect choice for when you are after an accurate, durable part that prints with the ease of regular PLA.

# PLA+Filament

---

## PRINTING PARAMETERS

<b>Printer Type:</b>	Cartesian / Delta
<b>Extruder Type:</b>	Direct Drive/Bowden Tube
<b>Layer Height:</b>	0.05mm - 0.3mm
<b>Fill Density:</b>	0 - 100%
<b>Shell Thickness:</b>	>0.4mm
<b>Print Speed:</b>	30 - 80 mm/s
<b>Printing Temperature:</b>	210 - 220°C
<b>Build Bed Temperature:</b>	0 - 50°C
<b>Retraction Speed:</b>	20 - 50 mm/s
<b>Retraction Distance:</b>	3 - 10 mm
<b>Cooling Fan:</b>	Yes

# PLA+Filament

---

## MATERIAL DATA SHEET

<b>Diameter:</b>	1.75 mm
<b>Diameter Tolerance:</b>	±0.03 mm
<b>Specific Gravity:</b>	1.26 g/cm <sup>3</sup>
<b>Tensile Strength:</b>	60 MPa
<b>Impact Strength:</b>	7.5 kJ/m <sup>2</sup>
<b>Surface Finish:</b>	Glossy
<b>Transparency</b>	Opaque
<b>Glass Transition Temp</b>	75°C
<b>Processability</b>	Low

**The data represented is intended as a general guide and results may differ**