



Innovating Tomorrow's Materials

Technical Data Sheet Rev 1.0

## Technical Data sheet: Performance PLA

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Physical Properties	Standard	Unit	Nominal Value
Specific Gravity	D792	g/cc	1.24
Melt Flow Rate	D1238	g/10 min	7 – 9
Melt Temperature	D3418	°C	165 – 180
Glass Transition Temperature	D3418	°C	55 – 60

Mechanical Properties	Standard	Unit	Nominal Value
Tensile Strength, Yield	D638	MPa	51
Tensile Elongation	D638	%	3.31
Izod Strength, Notched	D256	J/m	118
Tensile Strength	D638	MPa	50
Heat Distortion Temperature (0.45 MPa)	E2092	°C	>85

Electrical Properties	Standard	Unit	Nominal Value
Surface Resistance	ASTM D257	Ohm/sq	>10 <sup>13</sup>

Print Settings	
Extruder Temperature / °C	225 – 260
Bed Temp / °C	< 70
Heated Chamber	Not required
Nozzle Specifications / mm	> 0.15
Bed Adhesion	Glue stick
Layer Height / mm	> 0.1
Drying Specifications	2 – 4 hours @ 60 °C