

3DPower Hyper Speed PLA

3DPower Hyper Speed PLA is first high performance material in 3DPower portfolio. This filament is perfect for high speed printing (up to 750mm/s). However, Hyper Speed PLA offers enhanced mechanical durability and temperature resistance compared to Basic PLA. The filament is perfect for high speed and precise printing.

Filament specification

Property	Value
Diameter:	1.75mm
Diameter tolerance:	± 0.03mm
Ovality:	≥ 95%
Net weight:	1000g
Nozzle temperature:	195-240°C
Bed temperature:	0-50°C
Cooling:	up to 100%
Print speed:	40-750mm/s

Technical data

Property	Typical value	Test method
Density	1.24 g/cm ³	
MFR (210°C / 2,16kg)	65 g/10min	ISO 1133-A
Heat Deflection Temperature (0.45MPa)	60°C	ISO 75-1
Heat Deflection Temperature (0.45MPa) - cristalized	100°C	ISO 75-1
Elongation at break	5%	ISO 527-1
Tensile strength	52 MPa	ISO 527-1
Tensile modulus	3470 MPa	ISO 527-1
Charpy notched impact	≤ 5 kJ/m ²	ISO 179-1eA

Disclaimer

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