

### 3DPower PLA HT

3DPower PLA HT is an innovative filament that combines the ease of printing of classic PLA with revolutionary heat resistance – up to 145 °C (VICAT). Thanks to its specially developed formula, this filament guarantees excellent dimensional stability and exceptional mechanical strength, making it the ideal solution for functional prototypes and utility parts exposed to high temperatures.

#### Filament specification

Property	Value
Diameter:	1.75mm
Diameter tolerance:	± 0.03mm
Ovality:	≥ 95%
Net weight:	1000g
Nozzle temperature:	180-220°C
Bed temperature:	0-50°C
Cooling:	up to 100%
Print speed:	30-100mm/s

#### Technical data

Property	Typical value	Test method
Density	1.20 g/cm <sup>3</sup>	
Tensile strength	44 MPa	ISO 527
Elongation at break	10%	ISO 527
Tensile modulus	2600 MPa	ISO 527
Flexural modulus	3450 MPa	ISO 178
Vicat softening point	145°C	ISO 306

#### Disclaimer

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