



- Perform A6 is a high performance Polyamide 6 (Nylon 6) filament designed to work on FFF printers for the realization of functional parts.
- Perform A6 has excellent thermal and chemical resistance, toughness and other great functional properties like stiffness, and durability.

### Typical Properties

Property	Test Method	Unit	Typ. Value
Nominal Diameter	-	mm	1.75 / 2.85
Density	ISO 1183	gr/cm <sup>3</sup>	1.12
Tensile Modulus	ISO 527	MPa	2584
Tensile Strength	ISO 527	MPa	62
Flexural Strength	ISO 178	MPa	75
N. Izod Impact	ASTM D256	J/m	117
Elongation	ISO 527	%	90%
HDT @ 0.45 MPa	ISO 75	°C	140

\* The above are typical properties for a printed specimen

### Recommended Settings

Parameter	Unit	Set Value
Nozzle Temp.	°C	245±10
Plate Temp.	°C	80±10
Cooling	-	On, low
Print Speed	mm/sec	30-80
Retraction (Bowden)	mm	>4
Retraction (Direct)	mm	2±0.5
Drying	°C, hr	80, 4

- Perform A6 adheres well when using PEI surface, PA adhesive or Kapton Tape on a heated glass plate.