

Filament specs.

Size	Ø tolerance	Roundness
1,75mm	± 0,05mm	≥ 95%
2,85mm	± 0,10mm	≥ 95%

Material properties

Description	Test method	Typical value
Specific gravity (g/cc)	ISO 1183	1,35
MFI 210°C / 2,16kg		10
Tensile strength at Max Load (MPa)	ISO 527	44
Elongation at break (%)	ISO 527	3,2
Tensile modulus (Young's, MPa)	ISO 527	6300
Impact strength – Charpy notched 23°C (kJ/m ²)	ISO 179	2
Printing temp. (°C)		220-240
Melting temp. (°C)		190-220
Thermal conductivity		0.4 ± 0.02
Heat Deflection temp. (°C) 0.45 mpa	ISO 75-2:2013 B	107
Heat Deflection temp. (°C) 0.45 mpa	ISO 75-2:2013 B	125*

***Results prived by: Technical University Delft & VTT : Technical research Facility of Finland