

3D Printing Filament

TECHNICAL DATA SHEET - PLA SPECIAL WOOD

Commercial name: Make a Shape PLA SPECIAL WOOD

Raw material: Wood loaded modified PLA –Polylactid Acid

Designation: 3D printing applications

Manufacturer: Make a Shape srls - Via dei Salci 53 - 03100 Frosinone - Italy

Material specifications

Property	Value	Test Method - ISO
Density	1,25 g/cm ³	D1505
Melting point	130 –155°C	D3418
Flextural Strength	68 MPa	D63
Tensile Stress	37 MPa	527-2/50
Degradation Temperature	250°C	/

Filament specifications

Property	Value and Tolerances
Diameter 1.75mm	1.75 ± 0.05 mm
Roundness deviation	max 3%
Suggested print temperature (guideline)	180 - 195°C
Suggested print speed	50 – 80 mm/s
Suggested bed temperature	30-50°C (not necessary)