

WOOD

WOOD is a modified PLA based type of filament, that smells and feels like wood. The different wood-types enable us to manufacture this wide range of natural wood colours. This filament prints very easy. We recommend a nozzle size 0,5mm or larger.

Material features:

- Feels and smells like WOOD
- Easy to print at low temperature
- Very low warping
- Biodegradable
- Easily printable with $\geq 0,5$ mm nozzle

Colours:

WOOD is available from stock in 3 different colours.



Filament specs.

Size	Ø tolerance	Roundness
1,75mm	$\pm 0,05$ mm	$\geq 95\%$
2,85mm	$\pm 0,10$ mm	$\geq 95\%$

Material properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,28 g/cc
MFI 210°C/2,16kg	ISO 1133	3,5 g/10 min
Tensile strength at yield	ISO 527	36,9 MPa
Tensile strength at break	ISO 527	36,8 MPa
Elongation strain at break	ISO 527	2%
Elongation strain at yield	ISO 527	2%
Tensile (E) modulus	ISO 527	3200 MPa
Impact strength - Charpy method 23°C	ISO 179 1eA	4 kJ/m2
Printing temp.	Internal method	200 \pm 10°C*
Melting temp.	ASTM D3418	145 \pm 5°C
Vicat softening temp.	ISO 306	45°C

Additional info:

Due to its low tendency to warp WOOD can also be printed without a heated bed. If you have a heated bed the recommended temperature is $\leq 60^\circ\text{C}$. We advise a nozzle $\geq 0,5$ mm. WOOD can be used on all common desktop FDM or FFF technology 3D printers.

*na1, bk1 and gr1 can be printed up to temperatures $\sim 205^\circ\text{C}$ maximum @35-45mms. For more details, contact us.

Storage: Cool and dry (15-25°C) and away from UV light. This enhances the shelf life significantly.