



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. The filament is tough enough for supplies on reels up to 2,3kg and prints very easy. We recommend a nozzle size 0,5mm or larger. We believe that this makes WOOD one (if not the) best performing wood filaments on the market.

Material features:

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

Colours:

WOOD is available from stock in 5 different colours.





WOOD is available in nearly any type of packaging and labelling. Ask our team to help you customizing your product.



Filament specs.			
Size	Ø tolerance	Roundness	
1,75mm	± 0,05mm	≥ 95%	
2,85mm	± 0,10mm	≥ 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±10°C*
Melting temp.	ASTM D3418	145±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 $\leq 60^{\circ}$ C. We advise a nozzle ≥ 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°C maximum @35-45mms, naw and gyw can be printed at higher temperatures up to \sim 215°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.

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