

PrintaMent WOOD

DATASHEET

Description

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 prints very easy, even with nozzles >0.5mm as the wood particles then don't block the nozzle.

Features

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

Colors

Light - Dark

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 $\pm 35\text{-}60^\circ\text{C}$. We advise a nozzle $\geq 0,5\text{mm}$. WOOD can be used on all common desktop FDM or FFF technology 3D printers. Storage: Cool and dry ($15\text{-}25^\circ\text{C}$) and away from UV light. This enhances the shelf life significantly.

Technical Data

Dimensions

Size	Tolerance	Roundness
$\varnothing 1,75\text{mm}$	$\pm 0,05\text{mm}$	>95%
$\varnothing 2,85\text{mm}$	$\pm 0,10\text{mm}$	>95%

Physical Properties

Description	Typical Value
Specific gravity	1,20 g/cc
MFR 220 °C	5,0 g/10 min
Tensile strength	70 MPa (MD) 100 MPa (TD)
Strain at break	170% (MD) 110% (TD)
Tensile modulus (1mm/min)	1900 MPa (MD) 2300 Mpa (TD)
Impact strength Charpy method 23 °C	7,0 KJ/m ²

Thermal Properties

Size	Roundness
Printing temp.	205-235 °C
Melting temp.	150 °C
vicat softening temp.	45 °C