

MakerPoint WOOD

MakerPoint WOOD is a modified PLA based type of filament, that smells and feels like wood. This is because it consists of PLA combined with wood fibers. The filament is slightly more brittle than normal PLA, it prints easy, but we advise a slightly bigger nozzle to avoid blocking. Due to a low shrinkage factor WOOD will not deform after cooling.

Poly Lactic Acid is a biodegradable plastic made from renewable natural resources and one of the most popular materials for 3D printing.

Features:

- Feels and smells like WOOD
- Easy to print at low temperature
- Very low warping
- Biodegradable
- Preferably printed with > 0,4mm nozzle

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

Colors
MakerPoint WOOD is available from stock in three different colors. Special colors are available upon request with a minimum order quantity of 20kg.

3D-printing	
Description	Typical value
Printing technology	FFF
Printing temp.	205-235°C
Heated bed temp.	± 35-60°C (when available)
Cooling fan	100%
Flow Rate	100%

Physical properties		
Description	Test method	Typical value
Density	ASTM D1505	1,20 g/cc
MFI	-	6,0 g/10 min
Tensile strength	ASTM D882	70 MPa (MD) 100 MPa (TD)
Elongation at break	ASTM D882	170% (MD) 110% (TD)
Tensile modulus	ASTM D882	1900 MPa (MD) 2300 Mpa (TD)
Impact Strength	-	7,0 KJ/m ²

Last change: 2014-03-31

The data correspond to our knowledge and experience at the time of publication. They do not on their own represent a sufficient basis for any part design, neither do they provide any agreement about or guarantee the specific properties of a product or part or the suitability of a product or part for a specific application. It is the responsibility of the producer or customer of a part to check its properties as well as its suitability for a particular purpose. This also applies regarding the consideration of possible intellectual property rights as well as laws and regulations. The data are subject to change without notice as part of MakerPoints continuous development and improvement processes.

Thermal properties		
Description	Test method	Typical value
Melting temp.	-	150°C ± 10°C
Melting point	ASTM D3418	140-150°C
Vicat softening temp.	ISO 306	± 45°C

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