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 then 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/m²

Last change: 2014-03-31

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