

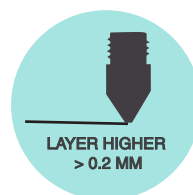
## TECHNICAL DATA SHEET VERSION 1.1

## WOOD

First class PLA with a high percentage of natural Wood, it does not incorporate recycle material or recuperated. Excellent printing resolution.



	TIPICAL VALUE	UNITS	TEST METHOD		
<b>PHYSICAL PROPERTIES</b>					
Chemical Name	Polylactic Acid with Wood Fibre				
Material Density	1.58	g/cm <sup>3</sup>	ISO 1183		
<b>MECHANICAL PROPERTIES</b>					
Tensile Yield Strength	65.5	MPa	ASTM D882		
Notched Izod Impact	40	J/m	ASTM D256		
Flexural Strength	126	MPa	ASTM D790		
Flexural Modulus	4357	MPa	ASTM D790		
<b>THERMAL PROPERTIES</b>					
Heat Distorsion Temperature (0.45 MPa)	144	°C	ISO 75		
Vicat Softening Temperature	212	°C	ISO 306		
<b>PRINTING PROPERTIES</b>					
Print Temperature	200-220	°C			
Hot Pad	0-60	°C			
Fan Layer	ON (100)	%			
Layer Height	>0,2	mm			
<b>SIZE</b>					
SIZE	NET W.	GROSS W.	DIAMETERS	COLOR	PACKAGING
M	750 g	975 g	1.75 mm/2.85 mm	Various colors	SmartBag, security seal, desiccant bag



DISCLAIMER: The information provided in the data sheets is intended to be just a reference. It should not be used as design or quality control values. Actual values may differ significantly depending on the printing conditions. The final performance of the printed components does not only depend on the materials, also the design and printing conditions are important.

Smart Materials assumes no responsibility for any damage, injury or loss produced by the use of its filaments in any particular application.