



**FILATECH**  
Making It Better

# WOOD PLA Filament

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## WOOD-PLA FILAMENT

PLA (Polylactic Acid) is one of the two most commonly used desktop 3D printing filaments (with the other being ABS filament). It is the "default" recommended material for many desktop 3D printers, and with good reason - Wood PLA is a composite of wood fibers in Polylactic Acid Polymer. Wood PLA is useful in a broad range of printing applications when you need wood looking finishing on your projects, it has the virtue of being both odorless and low-warp and does not require a heated bed. Wood PLA filament is also one of the eco-friendliest 3D printer materials available; it is made from annually renewable resources (corn-starch) and natural wood fibers and requires less energy to process compared to traditional (petroleum-based) plastics. Our Wood PLA filaments for 3D Printing are available in some light to darker shades of wood color in both 1.75mm and 2.86mm.

The latest range of Wood PLA filaments have been developed by our expert engineers utilizing the latest technology and high quality prime virgin raw material.

### OPTIONS:

Size:                    1.75      mm  $\pm$  0.03 mm  
                             2.85      mm  $\pm$  0.03 mm

Color:                    Natural Wood

Packaging:            0.5      Kg Spools  
                             1.0      Kg Spools  
                             30      gr Loops (Sample)

### FEATURES:

- Lower melting point for easier printing
- Free from harmful or hazardous materials
- Lower shrinkage rate and higher rigidity improved by wood fibers
- High rigidity with minimal flex
- Produces higher quality prints
- Proper for printing large parts with almost no warping
- Can be printed without heated bed.
- No chemical odors produced during printing
- No chemical odors produced during printing

### SPECIFICATIONS:

Filament Material:    WOOD-PLA Composite  
Specific Gravity:      1.05      gr/cm<sup>3</sup>  
Size:                    1.75      mm  $\pm$  0.03 mm  
                             2.85      mm  $\pm$  0.03 mm  
Printing Information:    Extruder: 190 – 220 °C  
                                  Bed:      40 – 60 °C (Only for big parts)  
Working Temperature:   Starts losing mechanical strength at 60 °C

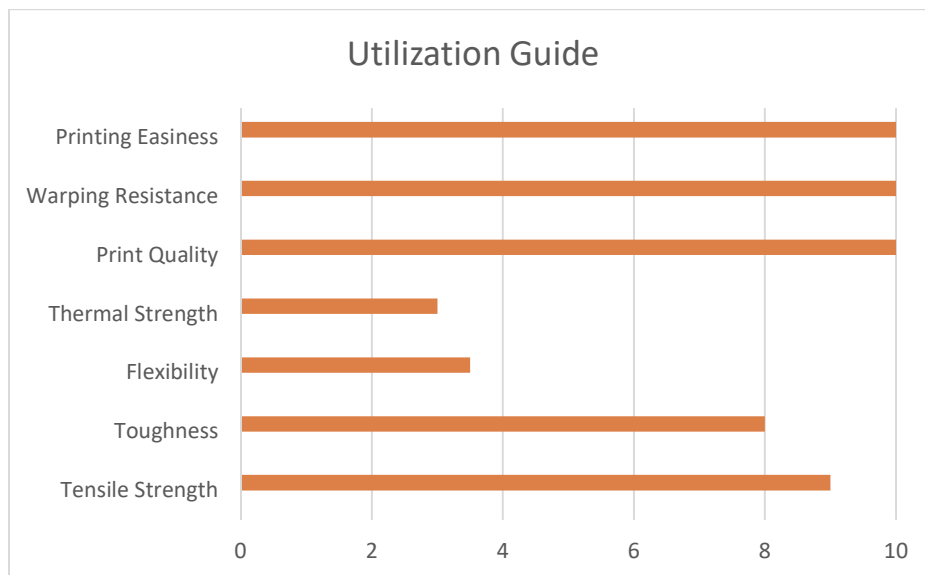
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## UTILIZATION GUIDE:

*(Comparative, Out of 10)*

Tensile Strength	9
Toughness	8
Flexibility	3.5
Thermal Strength	3
Print Quality	10
Warping Resistance	10
Printing Easiness	10



## CERTIFICATES:

Management:	BS EN ISO 9001:2015
Quality:	CE (CE-2924)
Environment:	RoHS (UQ-5724)