

# PLA 3D Printer Filament multicomp<sup>PRO</sup>

**RoHS  
Compliant**



## Description

By integrating German-imported organic impregnated short-cut carbon fibers into PLA, we have significantly improved the material's strength and modulus. This enhancement not only strengthens the PLA but also imparts a matte finish and a unique carbon fiber sandblasted texture. Carbon Fiber PLA Filament excels both in structural applications and aesthetic uses, owing to its remarkable properties. Its superior printing performance makes it ideal for high-speed printing.

## Specification Table

Test	Standard
Density	1.21 (g/cm <sup>3</sup> )
Melt Flow Index (g/10min)	5.37 (190°C/2.16kg)
Heat Distortion Temperature (°C, 0.45 Mpa)	53°C
Tensile Strength	28 Mpa
Elongation at Break Flexural Strength	4.27%
Flexural Strength	77 MPa
Flexural Modulus	3552 MPa
IZOD Impact Strength	4.1 (kJ/m <sup>2</sup> )
Extruder Temperature	190°C to 230°C
Bed Temperature	45°C to 60°C
Fan Speed	100%
Printing speed	50 to 300mm/s

## Part Number Table

Description	Part Number
PLA 3D Printer Filament, Carbon Fiber, 1.75mm, 1Kg	MP013567

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