

PLA 3D Printer Filament multicomp^{PRO}

RoHS
Compliant



Description

The glass fiber reinforced PLA filament is an advanced material created by incorporating 16% glass fiber into standard PLA. This enhancement significantly boosts the rigidity and impact resistance compared to regular PLA. With a bending modulus of up to 4400 MPa, the glass fiber provides exceptional rigidity and minimal distortion.

Specification Table

Test	Standard
Melt Flow Index	3.36 (190°C/2.16kg)
Density	1.31 (g/cm ³)
Tensile	59.27 (Mpa)
IZOD Impact Strength	10.16 (kJ/m ²)
Flexural Strength	85.01 (Mpa)
Flexural Modulus	4414.89 (Mpa)
Heat Distortion Temperature	56 (°C,0.45Mpa)
Tensile	7.99 (%)
Recommended printing temperature	190°C to 230°C
Bottom plate	45°C to 60°C
Fan	100%
Printing speed	40 to 100mm/s

Part Number Table

Description	Part Number
PLA 3D Printer Filament, Glass Fiber, 1.75mm, 1Kg	MP013566

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