

PLA 3D Printer Filament multicomp^{PRO}

RoHS
Compliant

Description

By incorporating German-imported organic impregnated short-cut carbon fibers into PLA, we have enhanced the strength and modulus of the material. The addition of carbon fibers not only reinforces the PLA but also provides it with a matte appearance and a distinctive carbon fiber sandblasted texture. Whether used as structural components or for aesthetic purposes, ePLA-CF effortlessly excels, thanks to its outstanding attributes. Its printing performance is exceptional, making it suitable for high-speed printing.

Specification table

Test	Standard
Density	1.21 (g/cm ³)
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 ²)
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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