



Polycarbonate carbon fiber. High stiffness and heat resistance for demanding structural applications. Demanding structural applications. Highest strength FDM material.

STRENGTHS

- + Highest stiffness in FDM
- + Excellent heat resistance
- + Carbon fiber reinforced

LIMITATIONS

- Abrasive on nozzles
- Anisotropic strength
- Premium pricing

CATEGORY

Tough & Durable

TECHNOLOGY

FDM (Fused Deposition Modeling)

SERVICES

prototyping, production

INDUSTRIES

Aerospace & Defense, Automotive, Robotics & Hardware

AVAILABLE COLORS

- Black

DESIGN RULES

GUIDELINE	VALUE
Min Wall Thickness	1.2 mm
Tolerance	±0.5 mm
Min Hole Diameter	2.0 mm
Min Feature Size	1.8 mm
Min Clearance	0.2 mm
Supports / Overhangs	50°
Min Pin Diameter	1.8 mm
Max Bridge Span	10 mm

TECHNOLOGY SPECIFICATIONS

SPECIFICATION	VALUE
Layer height	0.1-0.3mm
Tolerances	±0.5mm
Min wall thickness	1.2mm
Max build size	360 × 360 × 360mm
Lead time	From 1 business day

BEST FOR

- Jigs & fixtures
- Functional prototypes
- Concept models
- Large-format parts
- Cost-sensitive runs