



INDUSTRIAL GRADE 3D PRINTING

Start quoting online today at
parts-badger.com/3d-printing-quote

In addition to CNC machining, PartsBadger offers industrial grade 3D printing as a manufacturing service. Additional fiber reinforcement can be added to drastically increase strength and other properties of the part.

Capabilities

Materials	Carbon Fiber Infused Black Nylon / High strength nylon & carbon fiber composite White Nylon / A non-abrasive, engineering grade thermoplastic
Fiber Reinforcement	Carbon Fiber / Increases stiffness and strength, highest strength-to-weight ratio Kevlar / Lowest density of all fibers with increased impact resistance HSHT Fiberglass / High strength, high temperature Fiberglass / Lowest cost fiber, 11x more rigid than PLA, 26x more rigid than Nylon
Post Printing Processes	Support Removal / Done as a standard on all parts Internal Threads / Added via heat-set threaded inserts after printing.

More information

Fiber Reinforcement



Fiber reinforcement can be added in 10%, 25%, 50% or 75% of total part volume. It can be focused on specific part features if required. Refer to the material datasheet for specifications on available fiber.

Threaded Inserts



For parts with interior threads called out, heat-set threaded inserts will be added post printing. The part files will need to be modified to accept these inserts. The design of certain parts may inhibit this.

Need Batch Shipments?

PartsBadger offers inventory management for batch releases. Inquire with your rep.

Size Restrictions

Max 12.9" x 10.5" x 7.8"

(330 x 270 x 200 mm)

File Types

3D Files .STP .STEP .STL

2D Files .PDF or .DWG

Lead Time

Standard 7 business days

Tolerances

Standard $\pm 0.0197"$

(± 0.5 mm)