JABIL ENGINEERING MATERIALS

PA 4000

Getting the most out of Jabil Engineered Materials Powder

A very durable nylon powder, PA 4000 has well-balanced material characteristics that are ideal for a wide variety of applications. The detail resolution, excellent surface finish, and 34% elongation at break ensures this bright white material meets your product requirements. The chemical resistance and various finishing possibilities make PA 4000 ideal for open-sourced laser sintering 3D printers.

Jabil Engineered Materials Recommended Print Settings

Print Temperature

Part Bed Temp 168°C
Piston Temp 140°C
Cylinder Temp 140°C
Feed Temp 140°C

Layer Thickness

0.12 mm

Fill Settings

Fill Laser Power 70W
Fill Scan Spacing 0.3
Fill Scan Count 1

Colors

Natural

Applications

- Functional prototypes
- Complex geometries
- Low temperature duct work
- Caster housings
- Housings and enclosures
- Parts with snap-fit features

Advantages

- Excellent tensile elongation and impact strength
- Exceptional powder flowability and melt wet-out
- Produces dense parts with an excellent surface finish
- Material has potential for high recyclability
- Color stability

Questions? Contact us: JabilAdditive@jabil.com

Due to the large variety of printers and part geometries, the given process parameters are a guideline.

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Learn more about PA 4000 Material