JABIL

PA 1500 FR Filament
Recommended Print Settings

PC 1500 FR is a flame-retardant, easy printing polycarbonate manufactured with FR UL V-0 material. The material is perfect for parts that require strength, stiffness and impact resistance along with flame retardancy.

PRINT TEMPERATURE
The optimal printing range is 285 – 305°C

BED TEMPERATURE
Up to 105°C with ABS slurry, or up to 140°C using a PVP-based glue stick.

PRINTING SPEED
- Base printing speed of 40 mm/s
- Infill speed of 40 mm/s
- Wall speed of 32 mm/s
- Initial layer speed of 20 mm/s

COOLING
For best results, do not use a cooling fan. Enabling bridging settings will help improve overhang quality.

BED ADHESION
Suitable adhesion can be obtained by using a slurry of ABS in acetone, or with a PEI sheet with a PVP-based glue stick. A brim should be used to help with bed adhesion.

OTHER TIPS
If possible, print in an enclosed area that can maintain a temperature of 50-55°C to help minimize warping or cracking.

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APPLICATIONS

- Automotive, aerospace, general manufacturing
- Housings (including battery housings)
- Welding fixtures
- Brackets
- Motor mounts
- Parts for aerospace or automotive applications

ADVANTAGES

- Made from UL V-0 yellow-card-certified raw materials
- Stiff with excellent impact strength and ductility
- Very good flame retardancy and self-extinguishing properties
- High impact resistance
- Testing performed in a qualified lab demonstrates V-0 burn properties on a printed part down to 2mm thickness when printed with the correct design and print parameters
- Prints on open platforms including Ultimaker S5, UM 3, Raise3D, Method X and Taz® Pro Platforms

DIAMETERS

- 1.75mm and 2.85mm

Questions? Visit JabilAdditive@jabil.com, jabil.com/filaments

For the latest print profiles, search for Jabil Engineered Materials in the Cura Marketplace.

Learn More
About PA 1500 FR