



Impact resistant, heat tolerant. The standard for extra-large format builds. The standard for extra-large format builds up to 1200mm.

STRENGTHS

- + Massive build volume (up to 1.2m)
- + High impact resistance (220 J/m)
- + Good for oversized prototypes

LIMITATIONS

- Lowest resolution of all technologies
- Visible layer lines
- Requires CNC finishing for smooth surfaces

CATEGORY

Tough & Durable

TECHNOLOGY

FGF (Fused Granulate Fabrication)

SERVICES

prototyping, xl

INDUSTRIES

Architecture & Design, Automotive, Aerospace & Defense

AVAILABLE COLORS

 Cream

MECHANICAL PROPERTIES

| PROPERTY | VALUE |
|------------------------|----------------|
| Tensile Modulus | 2.35 GPa |
| Tensile Strength (UTS) | 55 MPa |
| Elongation at Break | 25% |
| Flexural Modulus | 2.35 GPa |
| Impact Strength (Izod) | 220 J/m |
| Hardness | Rockwell R 110 |

PHYSICAL PROPERTIES

| PROPERTY | VALUE |
|-----------------------|------------------------|
| Density | 1.04 g/cm ³ |
| Surface Roughness | 60 Ra μm |
| Heat Deflection (HDT) | 95 °C @ 0.45 MPa |
| Min Layer Height | 500 μm |
| Light Transmission | Opaque |
| Max Build Dimension | 1200 mm |