



40% glass-filled nylon. High stiffness and thermal stability for demanding structural applications. For functional parts requiring thermal stability and structural rigidity. Replaces injection molded parts.

STRENGTHS

- + High stiffness (2.5 GPa)
- + Excellent thermal stability (174°C HDT)
- + Replaces injection molded parts

LIMITATIONS

- Lower elongation than unfilled PA12
- Grainy surface texture
- Limited color options

CATEGORY

Production Grade

TECHNOLOGY

MJF (HP Multi Jet Fusion)

SERVICES

prototyping, production

INDUSTRIES

Automotive, Aerospace & Defense, Consumer Electronics

AVAILABLE COLORS



Gray

DESIGN RULES

GUIDELINE	VALUE
Min Wall Thickness	0.7 mm
Preferred Wall	1.3 mm
Max Wall Thickness	7.0 mm
Tolerance	±0.3 mm
Min Hole Diameter	1.0 mm
Min Feature Size	0.8 mm
Min Clearance	0.2 mm
Supports / Overhangs	Self-supporting
Drain Holes	Yes

TECHNOLOGY SPECIFICATIONS

SPECIFICATION	VALUE
Layer height	0.08mm
Tolerances	±0.3mm
Min wall thickness	0.7mm
Max build size	380 × 284 × 380mm
Lead time	From 5 business days

BEST FOR

End-use production parts

Production runs

Complex geometries

Automotive components

Aerospace hardware