



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

MECHANICAL PROPERTIES

PROPERTY	VALUE
Tensile Modulus	2.5 GPa
Tensile Strength (UTS)	30 MPa
Elongation at Break	10%
Flexural Strength	58 MPa
Impact Strength (Izod)	80 J/m
Hardness	Shore D 82

PHYSICAL PROPERTIES

PROPERTY	VALUE
Density	1.3 g/cm ³
Surface Roughness	10 Ra μm
Heat Deflection (HDT)	174 °C @ 0.45 MPa
Min Layer Height	80 μm
Light Transmission	Opaque
Max Build Dimension	340 mm