



Bio-based nylon with higher elongation and impact resistance. Ideal for parts requiring ductility and flexibility. Bio-based nylon. Ideal for parts requiring ductility and flexibility.

#### STRENGTHS

- + Bio-based nylon
- + Higher elongation than PA12
- + Excellent impact resistance

#### LIMITATIONS

- Slightly lower stiffness than PA12
- Absorbs moisture
- Limited color options

#### CATEGORY

Production Grade

#### TECHNOLOGY

MJF (HP Multi Jet Fusion)

#### SERVICES

prototyping, production

#### INDUSTRIES

Aerospace & Defense, Automotive, Medical & Biotech

#### AVAILABLE COLORS



Gray, Black

### MECHANICAL PROPERTIES

PROPERTY	VALUE
Tensile Modulus	1.8 GPa
Tensile Strength (UTS)	52 MPa
Elongation at Break	50%
Flexural Modulus	1.8 GPa
Flexural Strength	70 MPa
Impact Strength (Izod)	80 J/m
Hardness	Shore D 80

### PHYSICAL PROPERTIES

PROPERTY	VALUE
Density	1.05 g/cm <sup>3</sup>
Surface Roughness	10 Ra μm
Heat Deflection (HDT)	185 °C @ 0.45 MPa
Min Layer Height	80 μm
Light Transmission	Opaque
Max Build Dimension	340 mm