

PA12 Gray | MJF

Nylon | MJF/SLS

All-round engineering nylon with even strength in every direction.

Our default nylon for functional plastic parts. Multi Jet Fusion gives dense parts with nearly the same strength in every direction, a fine grey surface and about 52 MPa tensile. No support structures are needed, so complex and nested geometry costs no more to print.

Mechanical properties

Density	1.01 g/cm ³
Elastic modulus	1700 MPa
Tensile strength	52 MPa
Flexural strength	65-70 MPa
Elongation at break	17.5%
Heat deflection temp	175°C

Typical applications

- Protective housings
- Brackets and clips
- Jigs and fixtures
- Orthoses and prosthetic parts
- Drone frames
- Snap joints and connectors

Maximum part size

380 × 380 × 284mm (larger parts can be split and joined)

Available finishes

Brass threaded inserts · Dyed black · Screen printed · Split and bonded · Tapped threads · Vapour smoothed · Vibratory tumbled

Values are indicative and depend on part geometry, build orientation and post-processing. For project-specific requirements contact info@3dexperts.me. Instant price: 3dexperts.me/quote