

Ultra-Tough Resin Blue

Resin | SLA

Impact-resistant resin with an injection-moulded look and feel.

A dark-blue resin with the look and feel of an injection-moulded part, high impact resistance and heat deflection above 70 °C. It is our strongest stereolithography option for parts that take knocks, outdoor use or repeated assembly.

Mechanical properties

Other specs	{'flexural': '62.7 MPa', 'HDT_low_load': '91°C'}
Elastic modulus	2206 MPa
Tensile strength	49 MPa
Elongation at break	17%
Heat deflection temp	73°C (1.82 MPa)

Typical applications

- Outdoor and marine parts
- Tooling and moulds
- Electrical connectors
- Display panels
- Lighting fixtures
- Durable interior parts

Maximum part size

600 × 600 × 400mm (larger parts can be split and joined)

Available finishes

Brass threaded inserts · Electroplated · Powder coated · Sanded smooth · Screen printed · Split and bonded · Spray painted, gloss · Spray painted, matte · Spray painted, metallic · Spray painted, soft-touch · UV clear coat

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