

Durable Resin

Resin | LCD

Bendable, low-friction resin for parts that flex and slide.

A resin that behaves more like polyethylene than like brittle plastic: about 55 % elongation and a slippery, low-friction surface. Use it for parts that should bend, squeeze or slide. It softens early (heat deflection around 41 °C), so keep it away from heat.

Mechanical properties

Elastic modulus	1.0 GPa
Tensile strength	28 MPa
Elongation at break	55%
Heat deflection temp	41 °C

Typical applications

- Hinges and snap fits
- Packaging prototypes
- Drop-test housings
- Grips and handles
- Flexible clips
- Cushioning parts

Maximum part size

200 × 125 × 210mm (larger parts can be split and joined)

Available finishes

Brass threaded inserts · Electroplated · Sanded smooth · Split and bonded · Spray painted, gloss · Spray painted, matte · Spray painted, metallic · Spray painted, soft-touch · Tapped threads · 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