

High-temp Resin Red

Resin | SLA

Heat-resistant transparent red resin for lamps and light guides.

A transparent red resin that lets light through and keeps its shape at elevated temperature (heat deflection about 100 °C). It is the right material for light guides, lamp parts and tail-light prototypes. Being stiff and brittle, it needs thicker walls where it is clipped or screwed.

Mechanical properties

Hardness	83 Shore D
Elastic modulus	3235 MPa
Tensile strength	42.7 MPa
Elongation at break	1.5%
Heat deflection temp	101.9°C

Typical applications

- Lamp shades and light guides
- Tail-light prototypes
- Kitchen-appliance parts
- Heat-resistant housings
- Decorative pieces
- Protective shields

Maximum part size

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

Available finishes

Electroplated · 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