Stereolithography (SLA)

Formlabs Cast Resin

Key Features

High resolution • Smooth surface • Heat resistance > 50 °C • Heavy-metal-free formulation • Low ash content

Applications

Prototyping • Tooling • Investment casting

Product Description

Cast Resin is a specialized material for investment casting, offering low thermal expansion, clean burnout with minimal ash, and an antimony-free, heavy-metal-free formulation.

Properties

Tensile modulus	2800 MPa
Tensile strength	65 MPa
Elongation at break	6 %
Flexural modulus	2200 MPa
Heat deflection temperature (0.45 MPa)	73 °C
Heat deflection temperature (1.80 MPa)	58 °C
Detected Transition Metals (>10 ppm)	Al, Cu
High Concentration Transition Metals (>50 ppm)	None
Ash Content	< 0.020%

Reference

For more detailed source information, please consult the original document linked here. We encourage users to verify the data's relevance and suitability for their specific needs.

