

Standard Resin White Datasheet



Overview

Quality Resin White is a light-sensitive resin formulated specifically for SLA 3D printing. It produces parts with a sleek, smooth finish and solid durability. Thanks to its reliable performance and clean appearance, it is a popular all-around option for a wide range of everyday applications.

As-printed Part's Tolerance: $\pm 200\mu\text{m}$ or 0.2%

Maximum Printing Size: 1700*800*600mm

Properties

Thermal Properties	Metric	Method
Heat Deformation (0.46 MPa)	58°C	ASTM D648M
Heat Deformation (1.82 MPa)	49.6°C	ASTM D648M
Mechanical Properties	Metric	Method
Tensile Strength	52.3MPa	ASTM D638M
Tensile Modulus	2600MPa	ASTM D638M
Elongation at Break	11%	ASTM D638M
Flexural Properties	Metric	Method
Flexural Modulus	2400MPa	ASTM D790M
Impact Properties	Metric	Method
Notched Impact Strength	45 J/m	ASTM D256A
Other Properties	Metric	Method
Water Absorption	0.26%	ASTM D570-98

Pros

Quality Resin White delivers a clean, smooth finish that takes well to painting or dyeing. Its low water absorption makes it a good choice for moisture-resistant designs. Ideal for everyday projects like visual prototypes, concept models, artistic pieces, and figurines.

Cons

Thicker, solid prints may show a slight yellow tint, especially under certain lighting. Like most resin materials, prolonged exposure to direct sunlight can cause these prints to discolor and lose flexibility over time.

Applications

Sculptures and Props Consumer Electronics Home Supplies
 Industrial Display Panels Jewelries Experimental Instruments
 Interior Decorations Figurines Game Consoles