

## 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