

## High-Detail Resin White Datasheet



### Overview

Designed for high-precision manufacturing, High-Detail Resin White is ideal for creating objects with microscopic detail. With SLA 3D printing, it produces parts with an extremely smooth surface and impressive precision.

**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

With exceptional detail fidelity, SLA printed high-detail resin white delivers a sleek, smooth finish that's easy to paint or color. Its low water absorption also makes it an excellent choice for applications requiring water resistance.

## Cons

Thicker, solid prints may show a slight yellow tint during production. Over time, resin-based products exposed to direct sunlight can gradually yellow and lose their strength, becoming more brittle with prolonged UV exposure.

## Applications

Sculptures and Props

Consumer Electronics

Home Supplies

Industrial Display Panels

Jewelries

Experimental Instruments

Interior Decorations

Figurines

Game Consoles