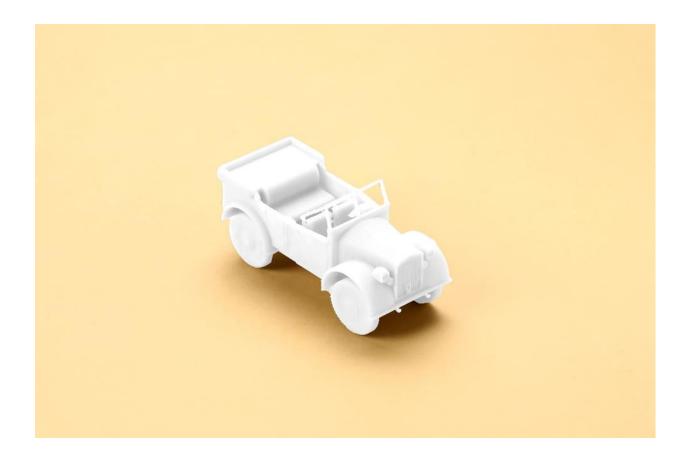


High-Detail Resin White Datasheet



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: ±200µm or 0.2%

Maximum Printing Size: 2100*1700*810mm



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