

JP2300 is a high-precision photosensitive resin material. The products made from it have a smooth surface, good detail expression, good shrinkage, good moisture resistance, chemical resistance, and other characteristics. It is the most widely used photosensitive resin material.



## Material Advantages

Short production period and highly cost-effective. The adsorbability and mechanical capacity of the product can fulfill conventional painting requirements.

## Material Disadvantages

Medium toughness and strength

## Tolerance Variation

3 days: 0.15mm or 0.15%      7 days: 0.2mm or 0.20%  
15 days: 0.25mm or 0.25%

## Production Precision

100mm  $\pm$ 0.1mm

## Product Description

Widely used in the production of various functional parts, manufacturing tools, etc.

## Notice

The material will gradually deform and discolor under room temperature over time. This material degradation will be accelerated by direct sunlight. Store the material in a cool and backlit environment. If you have a high requirement of strength, toughness, temperature resistance, please choose the corresponding high-performance resin or nylon material.

## Property Parameters

Thermal Deformation Temperature (HDT@0.455 MPa) (ASTM Method D648) : 55.4°C

Thermal Deformation Temperature (HDT@1.82 MPa) (ASTM Method D648) : 49.6°C

Shore Hardness (ASTM Method D2240) : 83 D

Tensile Strength (ASTM Method D638) : 47.2 Mpa

Tensile Modulus (ASTM Method D638) : 2373 MPa

Elongation at Break (ASTM Method D638) : 10.4%

Bending Strength (TM Method D790) : 81.5Mpa

Bending Modulus (ASTM Method D790) : 2754 Mpa

## Application Area

### ■ Electronic Structure and Function Verification

Air conditioners, air purifiers, vacuum cleaners, power tools, electrical instruments, plugs, experimental appliances, laptops, mobile phones, set-top boxes, etc

### ■ Auto Parts, Automotive Supplies Structure and Appearance Verification

Rearview mirror, instrument panel, steering wheel, car lights, seats and handles, and other auto parts;Automotive navigation equipment, vehicle data recorder, vehicle vacuum cleaner, reversing radar, and other automotive supplies

### ■ Sculpture and Exhibit Prototype

Sculpture, Buddha, modern art, exhibit prototype

### ■ Architectural Design, Sand Table Model

Architectural model, sand table model, bidding sample

### ■ Medical Devices and Medical Models

Dental model, medical device prototype