



JustFit

# JP2300E Resin

JP2300E photosensitive resin is a kind of ABS photosensitive resin with high dimensional precision and durability. It is characterized by small overall shrinkage and excellent detail performance. The products made from it are durable and suitable for mass production.



## Material Advantages

Small shrinkage, excellent dimensional accuracy; Fine surface, high resolution;

## Material Disadvantages

Medium toughness and strength; Fine surface, high resolution; Good durability

## 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) : 39~52°C

Shore Hardness (ASTM Method D2240) : 76~83 D

Tensile Strength (ASTM Method D638) : 38~56 Mpa

Tensile Modulus (ASTM Method D638) : 2589~2695 MPa

Bending Strength (TM Method D790) : 69~74MPa

Bending Modulus (ASTM Method D790) : 2692~2775MPa

Elongation at Break (ASTM Method D638) : 12~20%

Poisson Ratio (ASTM Method D638) : 0.4~0.44

Notched Impact Strength (ASTM Method D256) : 35~

## Application Area

- **Consumer Electronics, Automobile and Other Industrial Areas of Excellent Mold; General Parts, Functional parts production**  
Air conditioners, air purifiers, vacuum cleaners, power tools, electrical instruments, plugs, experimental appliances, laptops, mobile phones, set-top boxes, etc
- **Household Electrical Appliances Structure and Function Verification**  
Router, set-top box, socket housing, air conditioner, fan, hair dryer, razor, etc
- **Mechanical&Electrical Equipment Structure and Appearance Verification**  
Switches, sockets, power tools, instrument panel, experimental instruments, fixtures, etc