

JP3000 high precision photosensitive resin is opaque coffee color, matte, high precision, sharp edges and corners, low shrinkage and no discoloration.



## Material Advantages

Excellent precision performance, clear workpiece edges and corners, good detail performance, low shrinkage rate, stable dimension.

## Material Disadvantages

Average temperature resistance

## Tolerance Variation

Opaque brown

## Production Precision

100mm  $\pm$ 0.1mm

## Product Description

Suitable for shoe mold making, dolls and parts with high precision

## Notice

The outstanding characteristic of this material is the fine detail expressiveness and dimensional precision. Please consult account manager to recommend suitable material, if you have special requirements to toughness, strength, temperature resistance.

## Property Parameters

Thermal Deformation Temperature (HDT@0.455 MPa) (ASTM Method D648) : 47.3°C

Thermal Deformation Temperature (HDT@1.82 MPa) (ASTM Method D648) : 44.8°C

Shore Hardness (ASTM Method D2240) : 80D

Tensile Strength (ASTM Method D638) : 40.0MPa

Tensile Modulus (ASTM Method D638) : 2195MPa

Elongation at Break (ASTM Method D638) : 12%

Bending Strength (TM Method D790) : 42.5MPa

Bending Modulus (ASTM Method D790) : 1751MPa

## Application Area

- **Shoe mold making**

Full range of shoe models and shape prototypes

- **Dolls, Crafts**

Hand - made dolls, modern art, furnishing the prototype pieces

- **Products that require a high level of surface detail**

Architectural model, display sample prototype with complex modeling structure inside