

JP1300 photosensitive resin exhibits high heat resistance up to 130°C to enable the simulation of the thermal properties of engineering plastics. High thermal stability, moisture resistance, and hardness of this resin meet the requirements of high-temperature resistance manufacture circumstances, such as vacuum plating, water plating, baking varnish, rapid molding.



Material Advantages

Heat resistance: 110-130°C, Excellent dimensional stability, high-resolution performance, high strength, and firmness

Material Disadvantages

Medium toughness

Tolerance Variation

Color: Transparent Red

Production Precision

100mm \pm 0.1mm

Product Description

Ideal for testing thermal applications, such as hot airflow or hot water flow in pipes and taps.

Notice

If you have more requirements on toughness for bending, please contact Ledo for other high toughness materials.

Property Parameters

Thermal Deformation Temperature(HDT@0.455 MPa) (ASTM Method D648) : 101.9 °C

Thermal Deformation Temperatur (HDT@1.82 MPa) (ASTM Method D648) : 85.5 °C

Shore Hardness (ASTM Method D2240) : 83 D

Tensile Strength (ASTM Method D638) : 47.2 MPa

Tensile Modulus (ASTM Method D638) : 3235 MPa

Elongation at Break (ASTM Method D638) : 1.5 %

Bending Strength (TM Method D790) : 96.6Mpa

Bending Modulus (ASTM Method D790) : 3165 Mpa

Application Area

- **Electronic Assembly and Thermal Functional Testing Production Equipment**

Appearance of static parts, assembly and thermal function test ; faucets, pipes,and household appliances;

- **Production Equipments**

Appearance, assembly and thermal function test; faucets, pipes and household appliances;

- **Sculpture and Exhibit Prototype**

Sculpture, Buddha, modern art, exhibition model under bright lights

- **Automobile Assembly and Modification Parts**

Engine parts, engine cover, tail, etc