



JustFit DSM Taurus Resin

DSM Taurus is a high-performance photosensitive resin with both heat resistance and mechanical properties developed by DSM. Suitable for use in the verification of various functional prototypes and the manufacture of final parts. Large parts can be produced with excellent detail expression.



Material Advantages

Thermal and mechanical properties, wear-resistant and durable, and excellent precision for large-size parts.

Material Disadvantages

Relatively High Price. Material has a base color.

Tolerance Variation

Black Translucent

Production Precision

100mm \pm 0.1mm

Product Description

Equipped with both heat resistance and mechanical properties, can be directly made into final parts.

Notice

Taurus has an excellent heat resistance and mechanical properties. The color of the material is black translucent. If you need the color of the parts, please consult the customer service.

Property Parameters

Thermal Deformation Temperature (HDT@0.455 MPa) (ASTM Method D648) : 62°C

Thermal Deformation Temperature (HDT@0.455 MPa) (ASTM Method D648, thermo-fixation) : 91°C

Thermal Deformation Temperature (HDT@1.82 MPa) (ASTM Method D648) : 50°C

Thermal Deformation Temperature (HDT@1.82 MPa) (ASTM Method D648, thermo-fixation) : 73°C

Shore Hardness (ASTM Method D2240) : 83 D

Tensile Strength (ASTM Method D638) : 46.9 mpa

Tensile Modulus (ASTM Method D638) : 2310 MPa

Bending Strength (TM Method D790) : 73.8 Mpa

Bending Modulus (ASTM Method D790) : 2054 Mpa

Elongation at Break (ASTM Method D638) : 24%

Tensile strain (ASTM Method D638) : 4.0%

Notched Impact Strength (ASTM Method D256) : 47.5J/m

Hygroscopicity (ASTM Method D570-98) : 0.75%

Application Area

■ Parts Under Auto Bonnet

Parts under the automobile bonnet, interior parts, etc

■ Parts Direct to Use

Suitable for large and small parts with moderate strength

■ Substantial and reusable functional prototype parts

High-quality design prototype and test pieces