

Somos[®] WaterShed XC 11122

Material Introduction



Introduction

It is a kind of resin material which can show transparent effect. After printing out, It will be post-processed with sanding, polish, fumigation and UV etc., so as to achieve its smooth and transparent effect. It is generally used in appearance hand-board samples, such as water cups, containers and so on.

Advantages

The material has a smooth surface with strong expressive power, high-quality water resistance and strong dimensional stability. The print model is almost colorless

Disadvantage

Printed products cannot completely eliminate air bubbles, and complex structures cannot be completely transparent. The printing effect cannot meet the requirements of optical experiments.

Tolerance

200μm or 0.2%

Recommendation

Model verification for transparent utensils and appearance prototypes.

Attention >

The material will have a small amount of bubbles during the print production process. Users who require this can consult the account manager online.

Attributes

Heat deformation (0.46MPa) : 49℃

Hardness (Shore D) : 87

Tensile strength: 50MPa

Tensile modulus: 2700MPa

Elongation (expansion) : 3%

Elongation (break) : 10%

Impact strength: 25J/m

Poisson's ratio: 0.41

Dielectric constant 60 Hz: 4.0

Dielectric constant 1 KHz: 3.8

Dielectric constant 1 MHz: 3.5

Insulation strength: 16.3 kV/mm

Water absorption: 0.35%

Applications

- Production of automotive, electronics, lamps and other components

Can be used for actual production activities such as lenses, packaging, fluid analysis, RTV rollover, durable concept models, wind tunnel testing, etc.