

# Transparent Plus XC

## 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

200 $\mu$ m 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 $^{\circ}$ C

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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.