

Resin Grayscale

Description 1

Resin is ideal for display objects such as visual prototypes, models, or figurines, as it can provide fine details and a smooth surface. This photopolymer changes from liquid to solid after precise exposure to UV light during the printing process.

Description 2

Resin is ideal for objects requiring high detail, such as visual prototypes, models, or figurines, due to its ability to provide fine details and a smooth surface. Resin prints have a very smooth and aesthetically appealing surface, making them an excellent choice for applications where appearance is important.

Advantages

- Low thermal resistance
- Brittleness
- Smooth surface

Disadvantages

- Need for supports
- Limited flexibility

Properties

- **Tensile strength:** 32 - 60 MPa
- **Tensile stiffness:** 2500 - 2800 MPa
- **Elongation at break:** 7 - 9%
- **Flexural strength:** 51 - 93 MPa
- **Flexural modulus:** 2200 - 2775 MPa
- **HDT (at 0.45 MPa):** 48 - 70°C