

**OLA Product Name: OLA High-Detail Resin**

**Color: Grey**

**Process: SLA**

## MATERIAL SUMMARY

**Tolerance:**  $\pm 200\mu\text{m}$  or  $\pm 0.2\%$

**Lead Time:** 72 hours

**Maximum Printing Size:** 600mm × 600mm × 400mm

**Notes:**



## EVALUATION

- **Benefits:**
  - ✓ Professional-grade smooth surface
  - ✓ Micron-level detail reproduction
  - ✓ Scratch-resistant hard surface
  - ✓ Perfect for complex geometries
- 

## KEY FEATURES

**Superior surface finish, Exceptional detail reproduction**

**Specially formulated for animation and artistic creations, this resin delivers impeccable detail fidelity.**

## MATERIAL PROPERTIES

**HDT:** 53°C

**Shore Hardness:** 83

**Tensile Modulus:** 2587MPa

**Tensile Strength:** 47.2MPa

● **Elongation at Break:** 6.4%

● **Flexural Modulus:** 2562MPa

## APPLICATION SCENARIOS

- Developed for precision molding requirements, perfect for miniature models, medical bioprinting of artificial organs, optical lens molds, high-precision jewelry casting, and ultra-thin structural components in electronics (e.g., foldable screen hinges). Features nanometer-level resolution and low shrinkage rate, enabling flawless reproduction of complex geometries while maintaining superior surface finish and functional details.

## POST-PROCESSING OPTIONS

- **Thread tapping**