

OLA Product Name: OLA H-Temp

Color: Light yellow 、 Translucent

Process: LCD

MATERIAL SUMMARY

Tolerance: $\pm 100\mu\text{m}$ or $\pm 0.1\%$

Lead Time: 72 hours

Maximum Printing Size: 200mm × 125mm × 210mm

Notes:



EVALUATION

- **Benefits:**
 - ✓ Industry-leading 238°C HDT (post-cured)
 - ✓ 2.8GPa high tensile modulus
 - ✓ Exceptional thermal stability
 - ✓ Suitable for hot fluid environments
 - ✓ Ideal for precision high-temp parts
- **Limitations:**
 - ※ Requires 6h additional post-curing
 - ※ ~30% cost increase for post-curing
 - ※ Relatively low toughness (3.3%)

KEY FEATURES

This resin offers the highest temperature resistance among 3D printing materials, with HDT up to 238°C after post-curing.

MATERIAL PROPERTIES

HDT:

@0.45MPa: 120°C (standard) / 238°C (post-cured)

@1.82MPa: 78°C

Tensile Modulus: 2.8GPa

Tensile Strength: 58MPa

Elongation at Break: 3.3%

● **Flexural Modulus:** 2.6GPa

Flexural Strength: 95MPa

● **Notched Impact:** 18J/m

APPLICATION SCENARIOS

- **High-temp molds:** Small-batch tooling
- **Industrial jigs:** Hot runner systems
- **Electronics:** High-temp insulators
- **Testing:** Thermal environment prototypes

POST-PROCESSING OPTIONS

- **Thread tapping**
- **High-temp post-curing**