

OLA Product Name: OLA 8000(BK)

Color: Black

Process: SLA

MATERIAL SUMMARY

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

Lead Time: 48 hours

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

Notes:



EVALUATION

- **Benefits:**
 - ✓ True black color without painting
 - ✓ 0.2% dimensional stability
 - ✓ Superior water/moisture resistance
 - ✓ Excellent chemical resistance
 - ✓ Stable performance up to 50°C
- **Limitations:**
 - ※ Surface whitening after sanding
 - ※ Release agent affects paint adhesion
 - ※ Recommend using as-printed surface

KEY FEATURES

This professional-grade resin is specially formulated for transparent prototyping, combining optical clarity with mechanical strength.

MATERIAL PROPERTIES

Tensile Modulus: 2500MPa

Tensile Strength: 50MPa

Elongation at Break: 5-10%

Flexural Modulus: 2290MPa

Notched Impact: 24J/m

HDT: 50°C

APPLICATION SCENARIOS

- **Home Appliances:** Validation of structural and external parts (e.g., air conditioners, vacuum cleaners).
- **Automotive:** Prototyping of components and accessories (e.g., mirrors, dashboards, sensors).
- **Electronics:** Prototypes for phones, tablets, laptops, and wearables.
- **Industrial Equipment:** Housings and functional parts for tools and instruments.
- **Medical:** Suitable for limited dental and skin-contact applications (USP Class VI & ISO 10993 certified).

POST-PROCESSING OPTIONS

- **Thread tapping**
- **Polishing**