

OLA Product Name: OLA 8400(BK)

Color: Black

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:**
 - ✓ Optimal balance of precision & toughness
 - ✓ Exceptional 0.2% dimensional stability
 - ✓ Professional-grade black appearance
 - ✓ Superior machinability
- **Limitations:**
 - ※ Surface whitening after sanding
 - ※ Release agent affects paint adhesion
 - ※ Recommend using as-printed surface

KEY FEATURES

Specially engineered for industrial applications requiring both mechanical performance and aesthetic appeal, OLA 8400 delivers functional and decorative excellence.

APPLICATION SCENARIOS

- **Automotive:** Precision functional parts
- **Electronics:** Black cosmetic prototypes
- **Medical:** Non-implant device models
- **Industrial:** Precision tooling

MATERIAL PROPERTIES

HDT: 54–65°C

Shore Hardness: 78–85D

Tensile Modulus: 2649–2731MPa

Elongation at Break: 7–11%

Flexural Strength: 69–75MPa

Flexural Modulus: 2711–2789MPa

Notched Impact: 29–34J/m

CTE: $90\text{--}103 \times 10^{-6}/^{\circ}\text{C}$

Poisson's Ratio: 0.4–0.44

Dielectric Constant (1MHz): 3.2–4.0

POST-PROCESSING OPTIONS

- Thread tapping
- Polishing