

OLA Product Name: OLA 8200(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:**
 - ✓ Exceptional machinability
 - ✓ Ultra-low shrinkage ($<0.3\%$)
 - ✓ No yellowing after 2000h UV test
 - ✓ High-precision part formation
 - ✓ Excellent dimensional stability
- **Limitations:**
 - ※ Surface whitening after sanding
 - ※ Release agent affects painting
 - ※ Precision sanding excludes release agent

KEY FEATURES

This professional black engineering resin combines outstanding mechanical properties with long-term stability, ideal for demanding outdoor applications.

APPLICATION SCENARIOS

- **Automotive Parts & Accessories:** Mirrors, dashboards, steering wheels, lights, seats, handles, GPS devices, dash cams, car vacuums, parking sensors.
- **Home Appliances:** Air conditioners, purifiers, vacuum cleaners, fans, irons, water dispensers, juicers, hair dryers.
- **Consumer Electronics:** Laptops, tablets, smartphones, cameras, game consoles, speakers, MP3 players, power banks.
- **Electromechanical Devices:** Display panels, cameras, switches, sockets, power tools, meters, lab instruments, gauges.

MATERIAL PROPERTIES

- **HDT:** 58–69°C
- **Shore Hardness:** 78–88D
- **Tensile Modulus:** 2649–2731MPa
- **Tensile Strength:** 41–58MPa
- **Elongation at Break:** 7–11%
- **Flexural Strength:** 69–76MPa
- **Flexural Modulus:** 2722–2792MPa
- **Notched Impact:** 29–34KJ/m²
- **Dielectric Constant:** 4.2–5.0

POST-PROCESSING OPTIONS

- Thread tapping
- Polishing
- Painting