

OLA Product Name: OLA 8300

Color: Beige

Process: SLA

MATERIAL SUMMARY

Tolerance: ±200µm or ±0.2%

Lead Time: 72 Hours

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

Notes:



EVALUATION

Advantages:

Reliable performance in high-temperature environments (60–100°C)

Balanced strength and toughness ensure long-term durability

High printing precision and excellent dimensional stability

Limitations:

No significant drawbacks identified

KEY FEATURES

OLA 8300 high-temperature resin is designed for applications requiring excellent thermal resistance, strength, and toughness. It performs reliably in environments ranging from 60°C to 100°C while maintaining outstanding dimensional stability. Ideal for high-performance prototyping and functional part production in demanding industries.

MATERIAL PROPERTIES

Heat Deflection Temperature (ISO 75-2): 100°C–105°C

Tensile Strength (ASTM D 638): 75 MPa

Elongation at Break (ASTM D 638): 9.8%

Flexural Modulus (ISO 178): 2940 MPa

Flexural Strength (ISO 178): 116 MPa

Notched Impact Strength (ISO 180): 15–20 J/m

Hardness, Shore D (ISO 868-03): 80D

APPLICATION SCENARIOS

- Widely used in automotive, aerospace, lighting, power tools, consumer electronics, and orthodontic medical fields for master models and functional components.

POST-PROCESSING OPTIONS

None