

OLA Product Name: OLA 7000 EOS

Color: White

Process: SLS

MATERIAL SUMMARY

Tolerance: $\pm 300\mu\text{m}$ or $\pm 0.3\%$

Lead Time: 72 hours

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

Notes:



EVALUATION

- **Advantages:**
 - ✓ Excellent mechanical strength
 - ✓ Smooth surface and high detail accuracy
 - ✓ High printing precision using EOS equipment
 - ✓ Ideal for moldless, functional, or end-use plastic parts
- **Limitations:**
 - ✗ Surface may have a slightly grainy texture
 - ✗ Mechanical performance sits between resin and ABS

KEY FEATURES

OLA 7000 EOS is a premium SLS nylon material printed using German-imported EOS equipment. It features excellent mechanical properties and a fine surface finish, making it well-suited for rapid manufacturing of plastic parts, spare part production, functional prototyping, master models for vacuum casting, and other moldless applications.

APPLICATION SCENARIOS

- **Household Appliances:** ACs, air purifiers, vacuums, irons, hair dryers
- **Auto Parts:** Bumpers, dashboards, lights, handles
- **Digital Electronics:** Laptops, phones, cameras, power banks
- **Electromechanical Devices:** Displays, power tools, meters, gauges

MATERIAL PROPERTIES

Heat Deflection Temperature: 132°C

Melting Point: 183°C

Tensile Strength: 35.8–38.6MPa

Tensile Modulus: 1600MPa

Elongation at Break: 5.5%–14%

Flexural Strength: 46.3MPa

Flexural Modulus: 1300MPa

Notched Impact Strength: 4.9KJ/m²

Unnotched Impact Strength: 13.2KJ/m²

Dielectric Constant: 3.5

POST-PROCESSING OPTIONS

- **Thread tapping**
- **Black Dyeing**