

OLA Product Name: OLA T1500

Color: Gray-black

Process: LCD

MATERIAL SUMMARY

Tolerance: $\pm 100\mu\text{m}$ or $\pm 0.1\%$

Lead Time: 72 hours

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

Notes:



EVALUATION

- **Benefits:**
 - ✓ 155% ultra-high elongation
 - ✓ Polypropylene-comparable flexibility
 - ✓ 42J/m impact resistance
 - ✓ Perfect stiffness-flexibility balance
 - ✓ Supports self-tapping screws

KEY FEATURES

This revolutionary elastic engineering resin combines polypropylene's toughness with engineering plastic's strength for unprecedented performance.

MATERIAL PROPERTIES

HDT: @0.45MPa: 66°C @1.82MPa: 53°C

Tensile Modulus: 1.46GPa

Tensile Strength: 34MPa

Elongation at Break: 155%

Flexural Modulus: 1.37GPa

● **Flexural Strength:** 41MPa

Notched Impact: 42J/m

● **Unnotched Impact:** 910J/m

APPLICATION SCENARIOS

- **Industrial:** Impact-resistant jigs, snap-fit parts
- **Mechanisms:** Flexible transmissions, dampers
- **Electronics:** Durable housings with screws
- **Prototyping:** Repeated bending test pieces

POST-PROCESSING OPTIONS

- **Thread tapping**