

**OLA Product Name: OLA ASA**

**Color: Ivory white**

**Process: FDM**

### MATERIAL SUMMARY

**Tolerance:**  $\pm 200\mu\text{m}$  or  $\pm 0.2\%$

**Lead Time:** 4 days

**Maximum Printing Size:** 1000mm × 610mm × 610mm

**Notes:**



### EVALUATION

- **Benefits:**
  - ✓ Exceptional UV stability for outdoor use
  - ✓ Excellent mechanical and processing properties
  - ✓ Outstanding impact resistance and weather ability
  - ✓ Versatile matte surface treatment options
  - ✓ Soluble supports for complex structures
- **Limitations:**
  - ✗ Layer lines inherent to FDM process
  - ✗ Not suitable for precision parts  $\leq 100\text{mm}/\leq 100\text{g}$

### KEY FEATURES

**This engineering thermoplastic is specially formulated for outdoor applications, combining ABS-like performance with superior weather resistance.**

### MATERIAL PROPERTIES

- **HDT:** 91–98°C
- **Shore Hardness:** 82
- **Tensile Strength:** 30–33MPa
- **Tensile Modulus:** 1950–2010MPa
- **Elongation at Break:** 3–9%
- **Flexural Strength:** 48–60MPa
- **Flexural Modulus:** 1630–1870MPa
- **Notched Impact:** 64–321J/m
- **Flammability Rating:** HB

### APPLICATION SCENARIOS

- **Home Appliances:** Outdoor unit housings for ACs, air purifiers, vacuums, fans, irons, water dispensers, juicers, and hair dryers.
- **Electronics Enclosures:** Protective shells for laptops, tablets, phones, cameras, game consoles, and speakers.
- **Automotive Parts:** Housings and components for mirrors, dashboards, steering wheels, headlights, seats, handles, navigation systems, dashcams, vacuums, and parking sensors.
- **Agricultural & Sports Equipment:** Parts for irrigation systems, lawn mowers, outdoor sports gear, and fitness equipment.

### POST-PROCESSING OPTIONS

- **None**