A Manufacturing Company

OLA6100 ABS

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OLA Product Name: OLA6100 ABS

Color: Black, White

Process: FDM

MATERIAL SUMMARY

Tolerance: ±300μm or ±0.3%

Lead Time: 4 days

Maximum Printing Size: 300mm × 300mm × 300mm

Notes:

EVALUATION

- **Advantages**
  - ① Balanced strength, heat, and electrical performance
  - ② High impact and chemical resistance
  - ③ Compatible with chrome plating and painting
  - ④ Ideal for functional and realistic prototypes
- **Limitations**
  - ① Features < Ø2mm may be fragile or incomplete
  - ② Surfaces < 45° may be rough or slightly deformed
  - ③ Flat areas >150mm may warp
  - ④ Supported areas may have rough finishes
  - ⑤ Complex internal structures may trap support material

KEY FEATURES

OLA 6100ABS is a rigid thermoplastic engineering material known for its reliable mechanical strength and dimensional stability. Ideal for functional testing and prototyping, this material enables the production of 3D-printed components that closely resemble final products. It is widely used for general mechanical parts and wear-resistant components and supports post-processing techniques such as chrome plating and painting.

APPLICATION SCENARIOS

- **Widely used in industrial components, tools, jigs and fixtures.**

MATERIAL PROPERTIES

- **Heat Deflection Temperature: 104°C**
- **Tensile Strength: 32.5–34.1MPa**
- **Elongation at Break: 2.3%–3.1%**
- **Flexural Strength: 59±1.3MPa**
- **Impact Strength (Notched, Izod): 12.6±1.1KJ/m²**

POST-PROCESSING OPTIONS

- **Thread tapping**