

OLA Product Name: Vacuum Casting PP

Color: Black、 White

Process: Vacuum casting

## MATERIAL SUMMARY

Tolerance:  $\pm 500\mu\text{m}$  or  $\pm 0.5\%$

Lead Time: 4 days

Maximum Printing Size: : 900mm × 650mm × 600mm

Note: Lead Time; (+1 day per 3 extra pieces)



## EVALUATION

- **Benefits:**
  - ✓ Excellent toughness
  - ✓ Long service life
  - ✓ Ideal for molding large-size parts
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## KEY FEATURES

A transparent, easy-to-process, easy-to-demold, low-shrinkage polyurethane resin with mechanical properties similar to polypropylene (PP)

## APPLICATION SCENARIOS

- PP-like rigid plastic is lightweight and chemically resistant, ideal for daily necessities (cups, tableware), packaging containers, appliance water tanks (water dispensers, humidifiers), and automotive interiors (door panels, storage boxes), offering cost-effectiveness and aging resistance.

## MATERIAL PROPERTIES

Heat Deflection Temp: 70°C ●

Tensile Strength: 34MPa ●

Linear Shrinkage: 3mm/m ●

Flexural Modulus (Young's):  
960MPa ●

Flexural Strength: 39MPa

● Impact Strength: 10 KJ/m<sup>2</sup>

Shore Hardness: 76D

● Elongation at Break: 72%

## POST-PROCESSING OPTIONS

- None