

OLA Product Name: Vacuum Casting TPU(White)

Color: White

Process: Vacuum casting

MATERIAL SUMMARY

Tolerance: $\pm 250\mu\text{m}$ or $\pm 0.25\%$

Lead Time: 72 hours

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

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



EVALUATION

- **Benefits:**
 - ✓ 30A–90A hardness selection
 - ✓ Superior tear resistance
 - ✓ Good ozone & cold resistance
 - ✓ Suitable for large casting parts
- **Limitations:**
 - ✗ Not resistant to concentrated solvents
 - ✗ Not for oil contact applications
 - ✗ Incompatible with NaOH solution

KEY FEATURES

Excellent elasticity, good tensile strength and tear resistance

30A–90A (The lower the value, the softer the material. Default is 70A. Please note in your order if a different softness is required.)

APPLICATION SCENARIOS

- **Appliance Seals:** Kettle gaskets, microwave door seals
- **Electronics:** Phone buttons, cable connectors
- **Industrial:** Buffer pads, shock absorbers
- **Consumer:** Soft grips, protective sleeves

MATERIAL PROPERTIES

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- **Hardness:** 0–100A (customizable)
- **Heat Resistance:** 70–80°C
- **Low-Temp Resistance:** –10°C
- **Molding Temp:** 140–180°C
- **Shrinkage:** 0.8–1.3%
- **Specific Gravity:** 1.2–1.4
- **Dielectric Constant(60Hz):** 4.2

POST-PROCESSING OPTIONS

- **None**