

OLA Product Name: Vacuum Casting TPU(Transparent)

Color: Transparent

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:**
 - ✓ Good elasticity
 - ✓ Reliable tensile and tear strength
 - ✓ Cold and ozone resistant
- **Limitations:**
 - ✗ Soluble in most concentrated solvents
 - ✗ Not suitable for oils or NaOH solutions

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.)

MATERIAL PROPERTIES

Shore Hardness: 0–100A ●

Heat Resistance: 70–80°C ●

Low-Temperature Resistance (Brittle Point): -10°C ●

Molding Temperature: 140–180°C

Toughness: Good

● **Shrinkage Rate:** 0.8–1.3%

Specific Gravity: 1.2–1.4

● **Dielectric Constant (60 Hz):** 4.2

APPLICATION SCENARIOS

- **Household Appliance Seals:** Rubber components in electric kettles, irons, microwave ovens
- **Consumer Electronics:** Keypads, shock-absorbing parts, and internal cable joint seals in mobile devices

POST-PROCESSING OPTIONS

- **None**