

OLA Product Name: Vacuum Casting TPU(Colorful)

Color: Color options available

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 resistance
- **Limitations:**
 - ✗ Color variation up to $\pm 25\%$
 - ✗ Not suitable for oils or NaOH solutions
 - ✗ Soluble in most concentrated solvents
 - ✗ Heat resistance up to 80°C

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 Temp Resistance:** -10°C
- **Molding Temp:** 140–180°C
- **Toughness:** Good
- **Shrinkage:** 0.8–1.3%
- **Density:** 1.2–1.4
- **Dielectric Constant:** 4.2 (60Hz)

APPLICATION SCENARIOS

- **Home Appliances:** Seals in kettles, irons, microwaves
- **Electronics:** Buttons, shock-absorbing parts, cable joint seals

POST-PROCESSING OPTIONS

- **None**