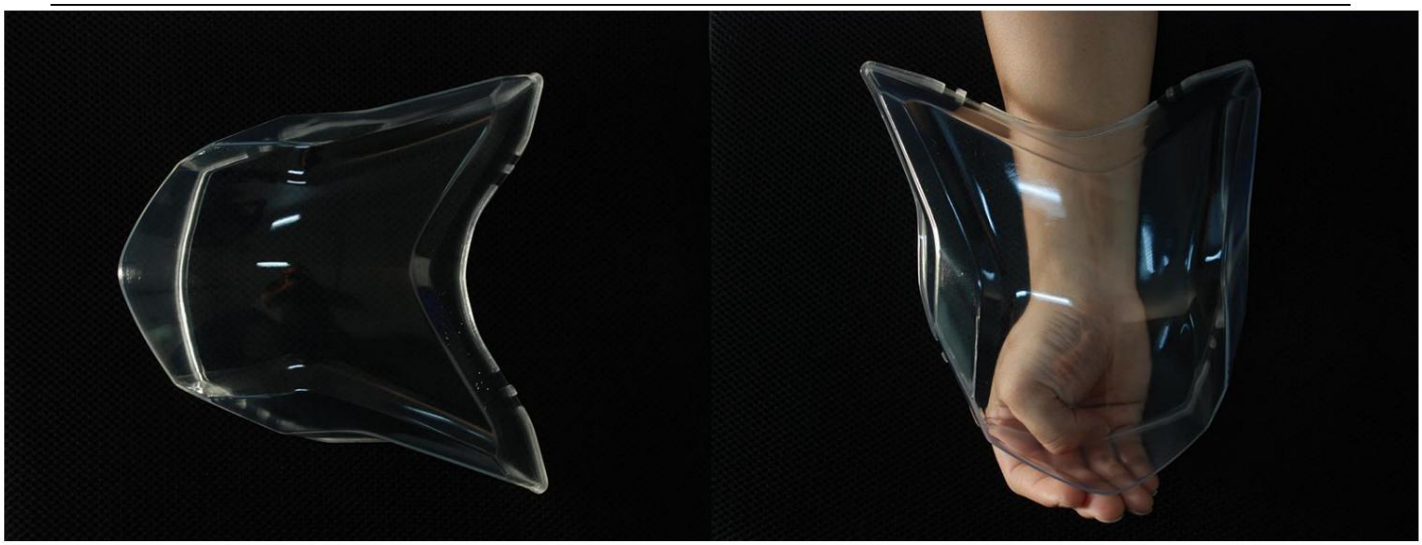
Unionfab

UTR8100

print effect



Features and Applications

Nearly colorless and transparent

Suitable for high-precision SLA light-curing 3D printing rapid prototyping system with a light source of 355 nm

SLA photosensitive resin with high transparency and low viscosity

The constructed parts have high transparency, excellent strength and toughness, high precision and good dimensional stability

Durability of resin-built parts for more than 6.5 months

Used in master molds, conceptual models, general parts and other industrial fields that require high transparency in automotive, medical, and consumer electronics.

parts and functional parts

Technical indicators

TECHNICAL DATE- LIQUID PROPERTIES Technical performance index - liquid performance	
Appearance	Nearly colorless transparent viscous liquid
Viscosit	200mPa·s@25 °C
Density	~1.12 g/cm3@25 °C

TECHNICAL DATE-OPTICAL PROPERTITES	
Technical performance index - optical performance	
Critical Exposure Critical exposure Ec	11.8mJ/cm2
Penetration Depth curing depth Dp	0.145mm
Recommended Layer Thickness of Construction	0.10mm

TECHNICAL DATE- MECHANICAL PROPERTITES Technical performance index - mechanical properties		
Mechanical Properties		UV Postcure UV post curing
Property Description Performance property	ASTM Method testing method	Metric Metric
Tensile Strength	D638M	48MPa
Elongation at Break	D638M	12%
Flexural Strength	D790M	86MPa
Flexural Modulus flexural modulus	D790M	2100MPa
Izod Impact- Notched impact strength	D256A	28 J/m
Hardness- Shore D Shore hardness	D2240	82
Water Absorption	D570-98	0.48%

Note: The operating temperature and storage temperature of Luen Thai 8100 should not be too high. The operating temperature range is 26±2°C, and the storage temperature is 25±5°C.