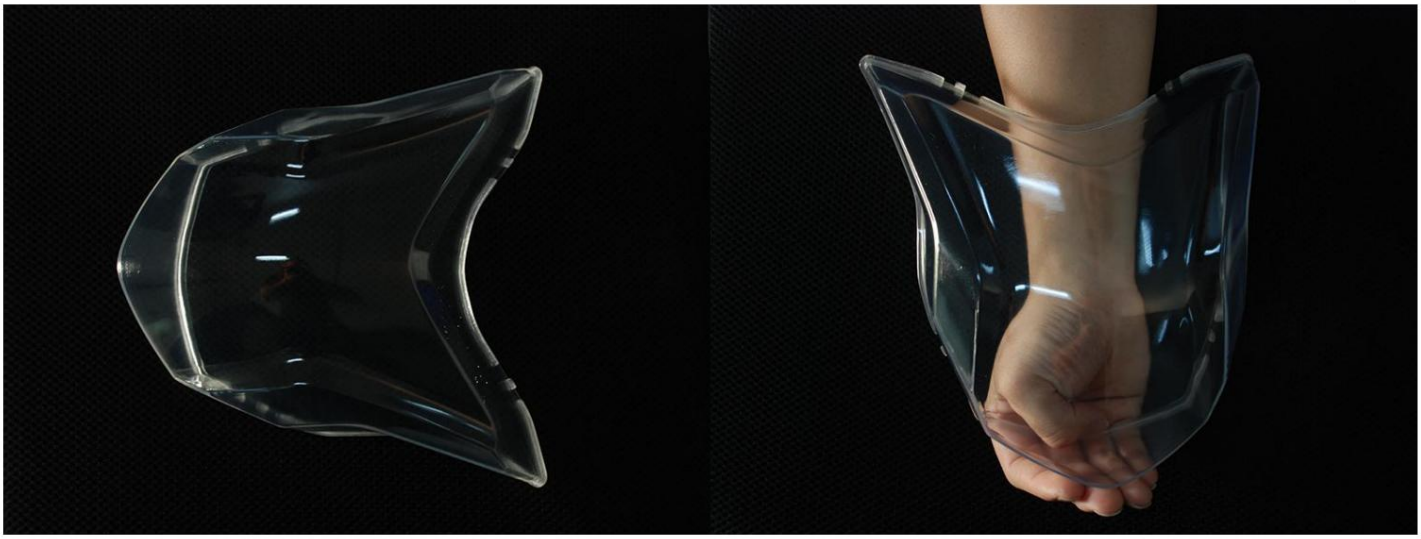
print effect



Features and Applications

ÿ Nearly colorless and transparent

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

ÿ SLA photosensitive resin with high transparency and low viscosity

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

ÿ Durability of resin-built parts for more than 6.5 months

ÿ 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.