

TECHNICAL DATA

# KS908C

Product Demonstration



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## Material Overview

KS908C is a brown color SLA resin for accurate and detailed parts. With fine textures, temperature resistance and good strength, KS908C is specially developed for printing shoe maquette/ shoe sole master models, and quick mold for PU sole, but it's also popular with dental, art & design, statue, animation and film.

## Advantages

- Highly accurate
- Fine surface texture
- Clear edges and corners
- Good moisture resistance

## Ideal Applications

- Shoe models
- Dental
- Art and design
- Statue
- Animation film

## Technical Datasheet

Liquid Properties		Optical Properties	
Appearance	Brown	Dp	0.135–0.155 mm
Viscosity	405–505 cps @ 28 °C	Ec	9–12 mJ/cm <sup>2</sup>
Density	1.11–1.14g/cm <sup>3</sup> @ 25 °C	Building layer thickness	0.1–0.15mm

Mechanical Properties		UV Postcure
MEASUREMENT	TEST METHOD	VALUE
Hardness, Shore D	ASTM D 2240	74–80
Flexural modulus, Mpa	ASTM D 790	2,650–2,750
Flexural strength, Mpa	ASTM D 790	60– 75
Tensile modulus, MPa	ASTM D 638	2,150–2,370
Tensile strength, MPa	ASTM D 638	25–30
Elongation at break	ASTM D 638	12 –20%
Impact strength, notched Izod, J/m	ASTM D 256	58 – 70
Heat deflection temperature, °C	ASTM D 648 @66PSI	58–68
Glass transition, Tg, °C	DMA, E"peak	55–70
Density, g/cm <sup>3</sup>		1.14–1.16

Recommended temperature for processing and storage of the above resin should be 18°C–25°C.

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