

TECHNICAL DATA

# KS198S

Product Demonstration



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## Material Overview

KS198S is a white, flexible SLA resin with features of high toughness, high elasticity and soft touch. It's ideal for printing shoe prototype, rubber wrap, biomedical model and other rubber like parts.

## Advantages

- High flexibility
- Good tear resistance
- Highly accurate
- Excellent white color

## Ideal Applications

- Footwear
- Prototypes need rubber like material
- Soft white display models

## Technical Datasheet

Liquid Properties		Optical Properties		
Appearance	White	Dp	0.125mm	[slope of cure–depth vs. ln (E) curve]
Viscosity	560 cps @ 30 °C	Ec	13.5 mJ/cm <sup>2</sup>	[critical exposure]
Density	1.1g/cm <sup>3</sup> @ 25 °C	Building layer thickness	0.08–0.12mm	

Mechanical Properties		UV Postcure	UV Postcure
Measurement	GB Method	Value	Value
Tensile strength	GB/T 1040.1–2006	13 MPa	5 MPa
Elongation at Break	GB/T 1040.1–2006	85%	80%
Hardness, Shore A	GB/T 2411–2008	82 A	83 A
Tearing strength	GB/T 529–1999	33 kN/m	14 kN/m
Glass transition	DMA, tanθ peak	24 °C	24 °C

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

The above data are based on our current knowledge and experience, the values of which may vary and depend on individual machine processing and post–curing practices. The safety data given in above is for information purposes only and does not constitute a legally binding MSDS. The relevant MSDS can be obtained upon request from your supplier or you may contact Kings 3D directly at "info@kings3dprinter.com"

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