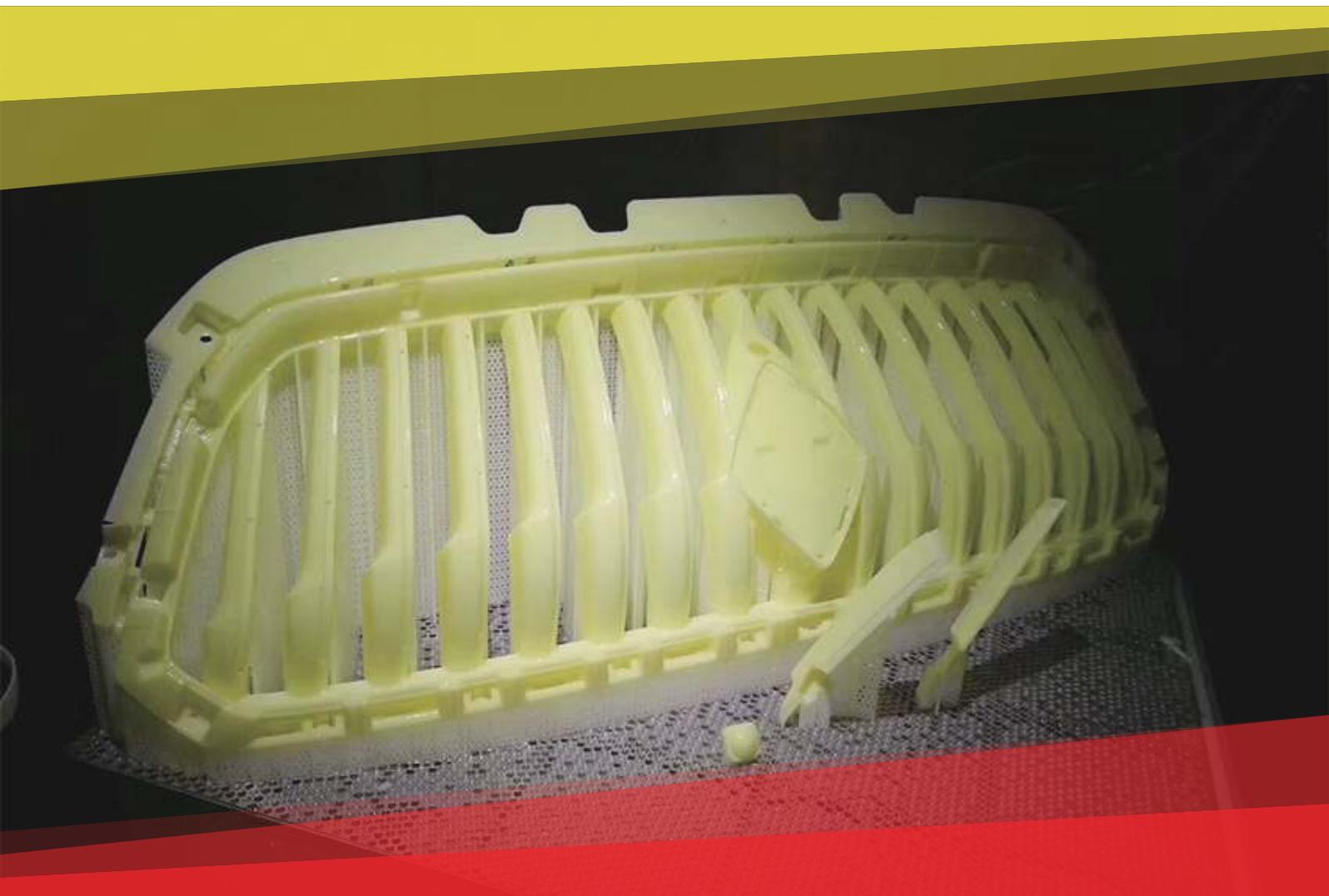


TECHNICAL DATA

# KS608A

Product Demonstration



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## Material Overview

KS608A is a high tough SLA resin for accurate and durable parts, which has all the benefits and convenience associated with KS408A but is significantly stronger and resist to higher temperature. KS608A is in light yellow color. It's applicable for a wide range of applications, ideal for functional prototypes, concept models and low volume production parts in the field of automotive, architecture and consumer electronics industries.

## Advantages

- High strength and strong toughness
- Accurate and dimensionally stable
- Excellent temperature resistance
- Good moisture resistance

## Ideal Applications

- Functional model need to be tough
- Conceptual model
- Low volume production models
- Automotive, aerospace, architecture, electronic applications

## Technical Datasheet

Liquid Properties		Optical Properties	
Appearance	Light yellow	Dp	0.135–0.155 mm
Viscosity	355–455 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	0.05–0.15mm

Mechanical Properties		UV Postcure
MEASUREMENT	TEST METHOD	VALUE
Hardness, Shore D	ASTM D 2240	76–82
Flexural modulus, Mpa	ASTM D 790	2,650–2,760
Flexural strength, Mpa	ASTM D 790	65– 74
Tensile modulus, MPa	ASTM D 638	2,160–2,360
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.

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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