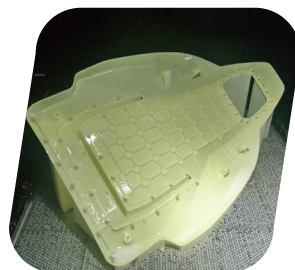


TECHNICAL DATA

KS608A

Product Demonstration



Shenzhen Kings 3D Co., Ltd

Building B, No. 148 Huanli Road, Yungu Community, Xinhua Street,
Guangming District, Shenzhen, China.



Kings
3D Printing

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	0.14~0.16 mm
Viscosity	450~530 cps @ 27°C	Ec	7.1~8.1 mJ/cm ²
Density	1.11~1.15g/cm ³ @ 25 °C	Building layer thickness	0.05~0.12mm

Mechanical Properties		UV Postcure
MEASUREMENT	TEST METHOD	VALUE
Hardness, Shore D	ASTM D 2240	78–90
Flexural modulus, Mpa	ASTM D 790	2,685–2,775
Flexural strength, Mpa	ASTM D 790	71–78
Tensile modulus, MPa	ASTM D 638	2,611–2,765
Tensile strength, MPa	ASTM D 638	45–58
Elongation at break	ASTM D 638	13–22%
Impact strength, notched Izod, J/m	ASTM D 256	25–40
Heat deflection temperature, °C	ASTM D 648 @66PSI	55–69
Glass transition, Tg, °C	DMA, E"peak	60–79
Density, g/cm ³		1.12–1.18

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