

TECHNICAL DATA

# KS1208H

Product Demonstration



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*Kings*  
3D Printing

## Material Overview

KS1208H is a high temp resistant SLA resin with low-viscosity in light yellow color. The part can be used with a temperature around 120°C. For instantaneous temperature it is resistant to above 140°C. It has good dimensional stability and fine surface details, which is perfect solution for parts requiring resistance to heat and humidity, and it's also applicable for quick mold with certain material in small batch production.

## Advantages

- High temperature resistance
- Excellent dimensional stability
- High strength and accuracy

## Ideal Applications

- Prototypes need high-temp resistance
- Quick mold

## Technical Datasheet

### Physical Properties – Liquid Material

Appearance	light yellow	Dp	0.16 mm
Viscosity	251–305cps/27°C	Building layer thickness	0.05–0.125 mm
Density	1.121–1.125g/cm <sup>3</sup> @ 25 °C		

### Mechanical Properties of Post-Cured Material

MEASUREMENT	TEST METHOD	VALUE ( UV curing and thermocuring )
Hardness Shore D	ASTM D 2240	80–84
Flexural modulus.Mpa	ASTM D 790	2400–2800
Flexural strength.Mpa	ASTM D 790	46–57
Tensile modulus. MPa	ASTM D 638	1300–1600
Tensile strength. MPa	ASTM D 638	30–37
Elongation at break	ASTM D 638	2.3–3.8%
Impact strength notched Izod, J/m	ASTM D 256	12–20
Heat deflection temperature, °C	ASTM D 648 @66PSI	120–130

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

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