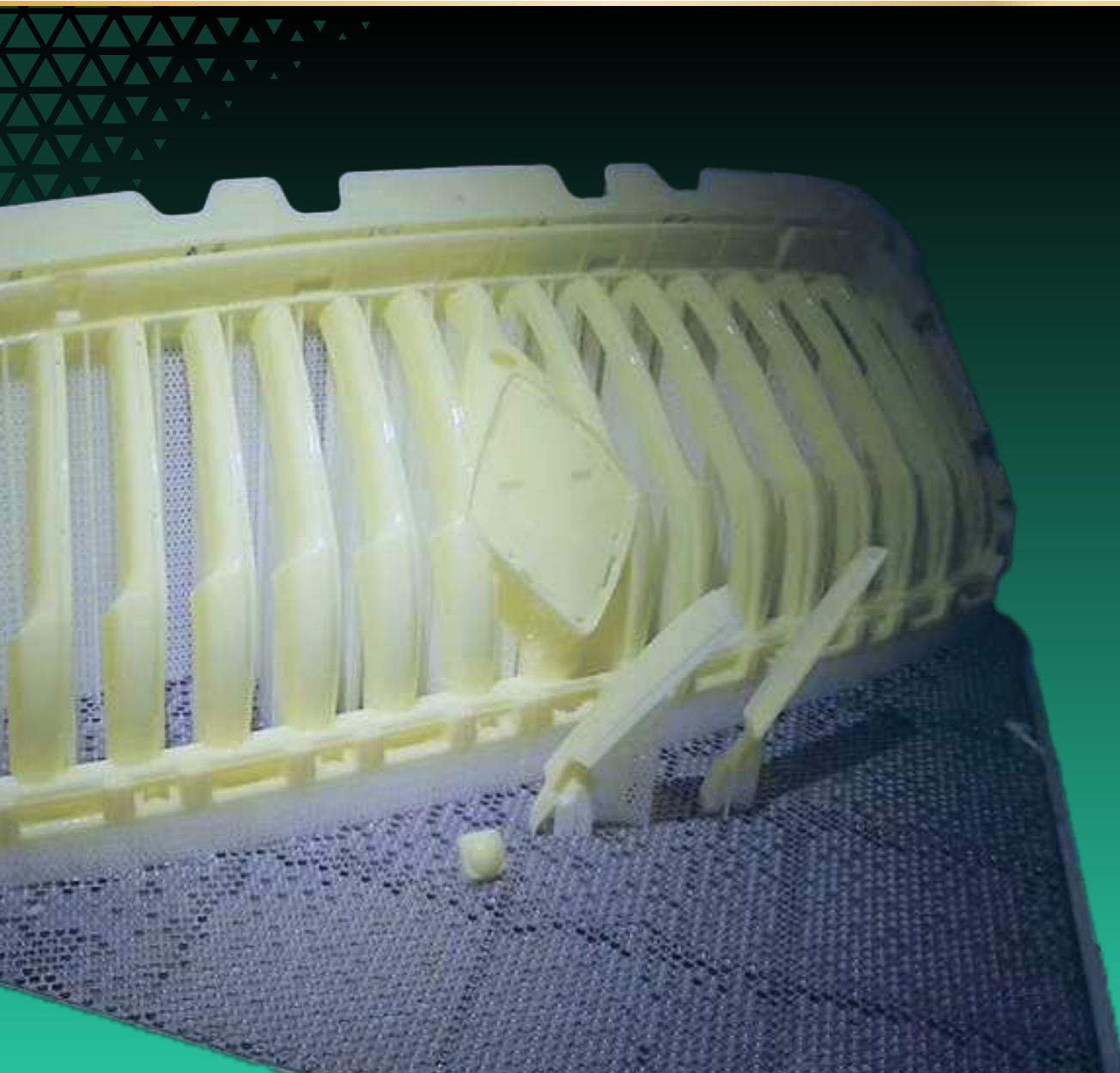


KS608A

SLA UV RESIN MATERIAL



POLYMER UV RESIN

- High strength and strong toughness
- Accurate and dimensionally stable
- Excellent temperature resistance
- Good moisture resistance
- 100% compatible with any Desktop or Large SLA System.



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.

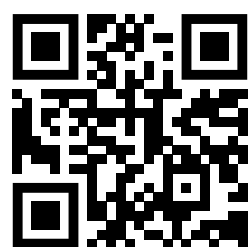
IDEAL APPLICATIONS

- 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 cDs 0, 28 °C	Ec	9-12 mJ/em
Density	1.11-1.14g/em3 @ 25 °C	Building layer thickness	0.05-0.15mm

MECHANICAL PROPERTIES		UV POSTURE
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 lod, 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/cm3		1.14-1.16



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