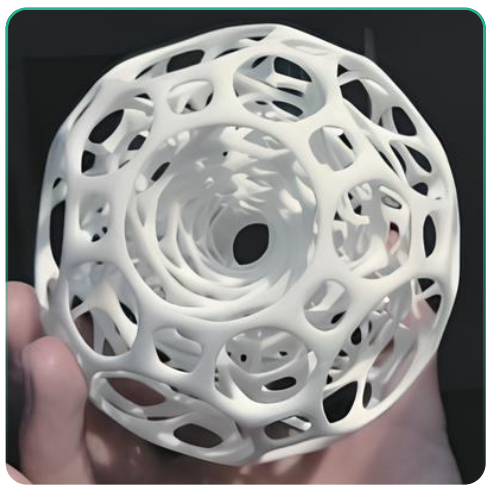
ADDITIVE +

Kings 3D Printing

SLA UV RESIN KS408A

DURABLE ABS LIKE 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.



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MATERIAL OVERVIEW

KS408A is the most popular SLA resin for accurate, detailed parts, perfect for testing model designs to ensure proper structure and function before full production. It produces white ABS like parts with accurate, durable and moisture resistant features. It's ideal for prototyping and functional testing, saving time, money and material during product development.

IDEAL APPLICATIONS

- Functional prototypes
- Concept models
- Low volume production models
- Automotive, aerospace, architecture, electronic applications

TECHNICAL DATASHEET

LIQUID PROPERTIES		OPTICAL PROPERTIES	
Appearance	Opaque White	Dp	0.135-0.155 mm
Viscosity	355-455 cps @ 28 °C	Ec	9-12 mJ/cm2
Density	1.11-1.14g/cm3 @ 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	2,690-2,775
Flexural strength, Mpa	ASTM D 790	68- 75
Tensile modulus. MPa	ASTM D 638	2,180-2,395
Tensile strength, MPa	ASTM D 638	27-31
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	55-65
Glass transition, Tg, C	DMA, E'peak	55-70
Density, g/cm3		1.14-1.16

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Sustainable
3D Manufacturing