

TECHNICAL DATA

KS198S

Product Demonstration



Shenzhen JS Additive Technology Co., Ltd.

Floor 14-15, Building 3-A, Yunzhi Science Park, Gongming Street,
Guangming District, Shenzhen | China 518107



JS ADDITIVE

Material Overview

KS198S is a white, flexible SLA resin with features of high toughness, high elasticity and soft touch. It's ideal for printing shoe prototype, rubber wrap, biomedical model and other rubber like parts.

Advantages

- High flexibility
- Good tear resistance
- Highly accurate
- Excellent white color

Ideal Applications

- Footwear
- Prototypes need rubber like material
- Soft white display models

Technical Datasheet

Liquid Properties		Optical Properties		
Appearance	White	Dp	0.125mm	[slope of cure–depth vs. ln (E) curve]
Viscosity	560 cps @ 30 °C	Ec	13.5 mJ/cm ²	[critical exposure]
Density	1.1g/cm ³ @ 25 °C	Building layer thickness	0.08–0.12mm	

Mechanical Properties		Test temp< TG	Test temp> TG
Measurement	GB Method	Value	Value
Tensile strength	GB/T 1040.1–2006	13 MPa	5 MPa
Elongation at Break	GB/T 1040.1–2006	85%	80%
Hardness, Shore A	GB/T 2411–2008	82 A	83 A
Tearing strength	GB/T 529–1999	33 kN/m	14 kN/m
Glass transition	DMA, tanθ peak	24 °C	24 °C

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

Web: www.jsadditive.com

Email: info@jsadditive.com

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