

TECHNICAL DATA

# Somos 14122

Product Demonstration



Shenzhen JS Additive Technology Co., Ltd.

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



## Material Overview

Somos 14122 is a low-viscosity liquid photopolymer that produces water-resistant, durable and accurate three-dimensional parts. Somos® Imagine 14122 has a white, opaque appearance with performance that mirrors production plastics like ABS and PBT.

## Advantages

- Low-viscosity liquid
- Water-resistant
- Durable and accurate three-dimensional parts

## Ideal Applications

- Automotive
- Aerospace
- Consumer product
- Functional prototypes, humidity
- Water-resistant concept models
- Durable low volume production parts

## Technical Datasheet

LiquiD Properties		OpTicAI Properties		
Appearance	Opaque White	Dp 固化深度	13.0 mJ/cm <sup>2</sup>	[critical exposure]
Viscosity	~340 cps @ 30°C	Ec 临界曝光量	6.25 mils	[slope of cure-depth vs. ln (E) curve]
Density	~1.16 g/cm <sup>3</sup> @ 25°C	Building layer thickness 构建层厚	64 mJ/cm <sup>2</sup>	

Mechanical properties			
ASTM Method	Property Description	Metric	Imperial
D638M	Tensile Strength at Yield	47.2 - 47.6 MPa	6.8 - 6.9 ksi
D638M	Tensile Strength at Break	33.8 - 40.2 MPa	4.9 - 5.8 ksi
D638M	Elongation at Break	6 - 9%	6 - 9%
D638M	Elongation at Yield	3%	3%
D638M	Modulus of Elasticity	2,370 - 2,650 MPa	344 - 384 ksi
D638M	Poisson's Ratio	0.41	0.41
D790M	Flexural Strength	66.8 - 67.8 MPa	9.7 - 9.8 ksi
D790M	Flexural Modulus	2,178 - 2,222 MPa	315 - 322 ksi
D256A	Izod Impact (Notched)	23 - 29 J/cm	0.43 - 0.54 ft-lb/in
D3763	High Speed Puncture-Impact	4.6 J	3.36 ft-lb/in
D2240	Hardness (Shore D)	79	79
D570-98	Water Absorption	0.40%	0.40%

Web: [www.jsadditive.com](http://www.jsadditive.com)

Email: [info@jsadditive.com](mailto:info@jsadditive.com)

Follow us on    @jsadditive