

Somos[®] 9120[™]

Stereolithography

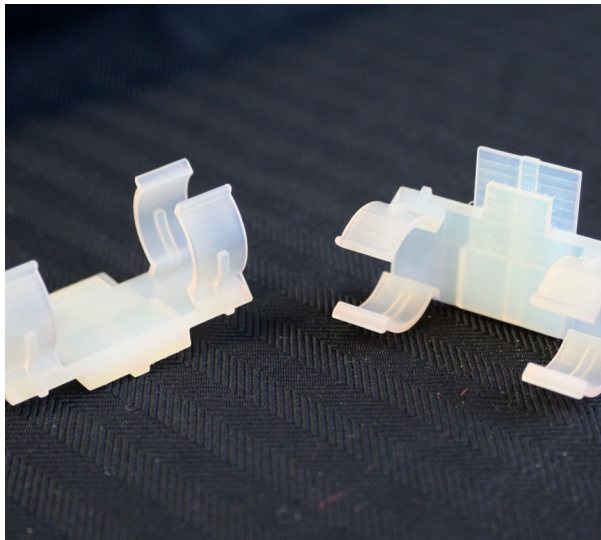
A translucent stereolithography material for when you need to see the inner workings of the part you're creating.

Somos[®] 9120 is a transparent stereolithography resin that is easy to use and fast to build.

This stereolithography resin produces translucent, accurate parts that are semiflexible.

Parts produced with **Somos[®] 9120** exhibit excellent water and temperature resistance and mimic polypropylene.

Somos[®] 9120 is ideal for applications such as fluid flow analysis, electrical casings and automotive parts. As this material is semi-flexible, it can also be used for snap-fit functional testing.



Key Benefits

- Highly transparent
- Semi-flexible
- Easy to use and finish

Ideal Applications

- Automotive parts
- Electrical casings
- Fluid flow analysis

LIQUID PROPERTIES		OPTICAL PROPERTIES		
Appearance	Clear	E_c	10.9 mJ/cm ²	[critical exposure]
Viscosity	~450 cps @ 30°C	D_p	5.6 mils	[slope of cue-depth vs. ln (E) curve]
Density	~1.13 g/cm ³ @ 25°C	E_{10}	65 mJ/cm ²	exposure that gives 0.254 mm (.010 inch) thickness]

MECHANICAL PROPERTIES		UV POSTCURE	
ASTM Method	Property Description	Metric	Imperial
D638M	Tensile Modulus	1,350 MPa	7.3 ksi
D638M	Tensile Strength	31 MPa	4.5 ksi
D638M	Elongation at Yield	20%	
D790M	Flexural Strength	45 MPa	6.5 ksi
D2240	Flexural Modulus	1,380 MPa	200 ksi
D256A	Izod Impact (Notched)	51 J/m	0.95 ft-lb/in
D2240	Hardness (Shore D)	81	

These values may vary and depend on individual machine processing and post-curing practices.

USA - Headquarters

7665 Commerce Way
Eden Prairie, MN 55344, USA
+1 952 937 3000

ISRAEL - Headquarters

1 Holtzman St., Science Park
PO Box 2496
Rehovot 76124, Israel
+972 74 745 4000

stratasys.com

ISO 9001:2015 Certified

EMEA

Airport Boulevard B 120
77836 Rheinmünster, Germany
+49 7229 7772 0

ASIA PACIFIC

7th Floor, C-BONS International Center
108 Wai Yip Street Kwun Tong Kowloon
Hong Kong, China
+ 852 3944 8888



GET IN TOUCH.

www.stratasys.com/contact-us/locations

