

TECHNICAL DATA SHEET

JUNE 2017

PRODUCT DESCRIPTION

SureHold's SH-DLP CLEAR Resin is a clear UV Curable 3D Printing Compound. SH-DLP offers exceptional clarity and very low yellowing over time. The material is UV curable with relatively long UV Wavelength (365 to about 405 nm) low intensity irradiance.

TYPICAL APPLICATIONS

SureHold's SH-DLP Resin is particularly suitable for 3D printing on DLP type printers. The strength and flexibility of SH-DLP Resin makes it suitable for printing structural and semi-structural parts. SH-DLP Resin is particularly suited for printing of hard earmolds and IE shells.

TYPICAL PROPERTIES**TECHNICAL FEATURES**

Chemical Type	Acrylic
Toxicity	Low
Viscosity @ 25°C	650-950 cP
Specific Gravity	1.12

PRINTING

SureHold's SH-DLP Resin prints with an approximate 2.5 s exposure time for a 50 micro layers printing at 385 nm and an irradiance of 32 mW/cm².

PERFORMANCE OF CURED MATERIAL

Typical Values	
Tensile Strength	2800 psi
Modulus	290,000 psi
Elongation	7%
Flexural Strength (0.15 x 0.16 in with 2 in span)	9000 psi

INSTRUCTIONS FOR USE

Minimize exposure to ambient light when transferring SH-DLP Resin to the resin vat as ambient light may initiate some polymerization of resin.

SAFE HANDLING AND STORAGE

Store unused SH-DLP Resin in the original container in a cool, dry location. Be sure applicator cap is firmly sealed after use.

Shelf Life

12 months from date of manufacture.

Part No. 00960, 00965

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