



## Liqcreate Hazard Glow

A Creative glow in the dark resin for stereolithography (SLA) and Digital Light Processing (DLP) which is perfect to add a 4<sup>th</sup> dimension to your prototypes.

### Product description

Liqcreate Hazard Glow is the first ever glow-in-the-dark material for SLA and DLP technologies in a range of 385 - 405nm. This material is optimized in having the highest possible glow-effect while remaining easy processable in DLP and SLA 3D-printers.

The polymers from Liqcreate Hazard Glow can be activated with almost every light source. It has especially a high glow effect when illuminated by a high amount of UV-light, like UV-curing units and sunlight or even by a smartphone flashlight.

Its beautiful glowing effects makes this material perfectly suitable to 3D-print a high variety of creations that deserve to be seen when the darkness strikes.

### Key benefits

- Up to 4 hours glow effect
- Rechargeable in sunlight, daylight and artificial light
- Ideal for outdoor applications
- Smooth surface finish
- Low odor

### 3D-Printer compatibility

- Form2
- Miicraft 125
- All open source 385 - 405nm SLA and DLP 3D-printers

### Order information

Order directly on [www.liqcreate.com/store](http://www.liqcreate.com/store) or send your inquiry with the following order numbers to [order@liqcreate.com](mailto:order@liqcreate.com)

Liqcreate Hazard Glow 250gram    Order number LHG00250  
Liqcreate Hazard Glow 1 kg        Order number LHG01000





## Liqcreate Hazard Glow Technical Data

Liquid properties			
Appearance	Green Opaque liquid	$E_c$	9.88 mJ/cm <sup>2</sup>
Viscosity	1300 cps at 25 °C	$D_p$ metric	0.20 mm
Density	1.32 g/cm <sup>2</sup>	$D_p$ imperial	7.87 mils

Polymer properties					
Mechanical properties		20 minutes low power UV-curing		10 minutes high power mercury curing	
Description	ASTM Method	Metric	Imperial	Metric	Imperial
Tensile Strength	D638M	42 MPa	6.1 ksi	49 MPa	7.1 ksi
Tensile Modulus	D638M	1.3 GPa	189 ksi	1.6 GPa	232 ksi
Elongation at break	D638M	6%		5%	
Flexural Strength	D790M	39 MPa	5.7 ksi	48 MPa	7.0 ksi
Flexural modulus	D2240	1.1 GPa	160 ksi	1.4 GPa	203 ksi
IZOD Impact (notched)	D256A	10 J/m	0.19 ft-lb/in	10 J/m	0.19 ft-lb/in
Shore D Hardness	D2240	75		77	
Water sorption	D570-98	0.30%		0.30%	
Tg	D7028	48 °C	124 °F	51 °C	137 °F

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

Visit [www.liqcreate.com](http://www.liqcreate.com) for more information about this product.