



## MONOCURE 3DR3589G 3D RAPID UV RESIN - GREEN

### END USE

Monocure 3D RAPID green photo-reactive resin has been designed to use in low powered LED type DLP 3D Printers for UV wavelengths from 225nm to 420nm. The near solid green appearance allows you to 3D print models or parts with a detailed smooth finish that will be blue when cured.

### PHYSICAL PROPERTIES

<b>Colour</b>	Green (10% transparency)
<b>Viscosity</b>	500 - 600cps @ 25°C (Brookfield RVT)
<b>Odour</b>	Negligible Characteristics
<b>Shelf Life</b>	12 months
<b>Active Solids</b>	100%
<b>UV Cure</b>	225nm to 420nm
<b>Cure Speed</b>	Very fast with UV LED LAMPS
<b>Storage</b>	Dark Cool, dry place out of direct sunlight.
<b>Wash Up</b>	IPA (Isopropyl Alcohol)



### APPLICATION

Stereolithography (SLA) is an additive manufacturing process that employs a vat of liquid ultraviolet curable photopolymer resin and an ultraviolet laser to build parts' layers one at a time. For each layer, the laser beam traces a cross-section of the part pattern on the surface of the liquid resin. Exposure to the ultraviolet laser light cures and solidifies the pattern traced on the resin and joins it to the layer below.

Digital Light Projection (DLP) is similar to SLA however it uses a digital light projector to harden the resin instead of a laser. The main advantages are that it can harden a whole layer in a lot less of the time it takes to a laser to trace around and fill in each item on the print bed.

### PACKAGING

Monocure 3DR3589G is packed in 500ml, 1ltr & 5ltr black plastic containers with a screw top cap.