# PRODUCT DATASHEET



## 3D RAPID MODEL RESIN

#### **END USE**

Monocure 3D RAPID model resin was specially developed for use in any low powered DLP 3D printer with UV wavelengths up to 420nm. The resin is available in a variety of colours, and the solid appearance allows the models to have a smooth, detailed finish when printed. Layer heights down to 10-micron layers are easily achievable with Monocure 3D resin.

### PHYSICAL PROPERTIES

Product Code(s) 3DR-3582C, 3DR-3588GY, 3DR-3587BK, 3DR-3583W, 3DR-3585B, 3DR-3585R,

3DR-3585G, 3DR-3585GM

Colour(s) Clear, Grey (5% trans), Black (5% trans), White, Blue (10% trans), Red (5% trans),

Green (10% trans), Gun Metal (5% trans)

Viscosity 500 - 600cps @ 25°C (Brookfield RVT)

Odour Negligible Characteristics

Shelf Life 24 months Active Solids 100%

UV Cure 225nm to 420nm Cure Speed Fast with UV LED

Storage Dark Cool, dry place out of direct sunlight.
Wash Up RESIN**AWAY**® or IPA (Isopropyl Alcohol)



### **APPLICATION**

Before every use, mix the resin well by shaking the bottle vigorously for one minute (larger containers will require shaking for longer). Carefully pour the resin into the printers vat, ensure that there is no sunlight or any artifical UV light in the room as it may cause the resin to cure. Follow the printer manufactures instructions on how to use the printer; you can check our website for help with the printer settings. We recommended you print simple, low height models when dialling in your 3D printer and resin settings. After the model has finished printing, for best results, wash up with RESINAWAY™. Return the unused resin into the bottle using a fine paper/mesh filter. Please store the bottle in a dark, cool & dry place away from direct sunlight.

### **PACKAGING**

Monocure 3D RAPID MODEL RESIN is packed in 500ml, 1ltr & 5ltr black UV safe, plastic bottles with a foil induction seal and a screw top cap.

Monocure 3D Pty Ltd Unit 16, 364 Park Road Regents Park,NSW 2144, AUSTRALIA All product, product properties, product specifications and data are subject to change without notice to improve reliability, function or design or otherwise.

Monocure 3D Pty Ltd, its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Monocure"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product. See website for full disclaimer. (www.monocure3d/technicaldatasheet/disclaimer)