

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	RESINAWAY® 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 artificial 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.