

PRODUCT DATA SHEET

3D DENTAL RAPID MODEL RESIN

END USE

Monocure 3D Rapid Model Dental resin features high dimensional stability, a gypsum-like texture, a unique matte finish and an opaque colour for 3D printed dental model processing. The Rapid formula reduces the layer times on low powered LCD/LED type DLP 3D printers. This resin allows for highly accurate printing in the range of 100 to 25 microns. The surface finish is very smooth and hard, which helps create precise angles, optimising the print quality, and reducing the rate of print failures.

PHYSICAL PROPERTIES

Product Code(s)	3DDR-3817W, 3DDR-3818BG, 3DDR-3819T, 3DDR-3588GY & 3DDR-3830C
Colour(s)	White, Beige, Tan, Grey & Clear
Viscosity	400cps @ 25°C (Brookfield RVT)
Odour	Negligible Characteristics
Shelf Life	24 months
Active Solids	100%
UV Cure	225nm to 420nm
Cure Speed	7- 15 seconds per layer with UV 405um LED.
Storage	Dark Cool, dry place out of direct sunlight.
Wash Up	RESINAWAY® or IPA (Isopropyl Alcohol)



APPLICATION

We developed our Dental model resin for high accuracy 3D printing of teeth & gums. The printed models are perfect for vacuum forming aligner plates as it possesses a hard surface finish of Shore D 80 after post-curing. It is also well suited for prototypes of dentures, crowns and bridges. It has been specially formulated to be easy on the eyes due to its high level of opaqueness and matte finish. It is compatible with any low powered LCD/LED 3D Resin Printer, these include; Phrozen Shuffle & XL, Anycubic Photon, Prusa SL1, Wanhao Duplicator 7 & 8, MicroMake, WOW SparkMaker Pro, FLSUN S, XAYAV Model V, Lotus EZm, Kelant Orbeat100 & 200.

Please remember that Monocure 3D DENTAL Model Resin is not recommended for intraoral use.