

CHEATSHEET

MONOCURE 3D RAPID RESIN CMYK PIGMENT SET

MONOCURE 3D
Advanced 3D Printer Products

Introduction

Monocure 3D CMYK Pigment set is intended for use with Monocure 3D resin so custom colours can be created to suit individual needs. These pigment dispersions are designed to work with 3D printing applications where UV light is used to cure resin layer by layer. We use a simple but highly effective approach to anchoring dispersant onto pigments to significantly increase print performance. Our pigment dispersions do not effect performance across our resin systems, Increased stability is achieved by cross-linking of the dispersants to create a robust polymer shell, entrapping each pigment particle.

Using a combination of these 4 colours with our white resin base any colour can be obtained.

CMYK COLOUR PIGMENT SET



Cyan, Magenta, Yellow & Black
(4 x 30ml Dispenser Bottles)



Colours Available

Magenta (3DP-3774MG), Cyan (3DP-3775CY)
Yellow (3DP-3776YL), Black (3DP-3777BK)

Physical Properties

Viscosity	600 cps @ 25°C
Odour	Negligible
Active Solids	100%
Shelf Life	12 months
Wash up	RESINAWAY or IPA

How should I handle the pigments?

- * Shake the bottle well before every use.
- * Wear gloves & protective clothes
- * Store the pigments in a dark cool place.
- * Clean spills with RESINAWAY or IPA.
- * Filter resin back into the bottle when not printing.

Application

Shake well before each use. Slowly drip the pigment solution into Monocure 3D resin and mix well until desired colour is reached. To obtain the same colour density of our pigmented Rapid resin, you will need to add approximately 4 grams (4 drops = approx. 1g) of the pigment dispersion into 100 grams of Resin. Adding too much pigment can result in slower curing times and potentially inhibit the cure completely.

The pigment solution can be added to our white or clear resin depending on the finish you are after. When adding to the white base resin an opaque finish will result. If you add to the clear resin a transparent look will result. The more pigment you add, the more solid the colour will become, but remember by adding too much could result in curing and build plate adhesion issues.

Please be extremely cautious when handling the pigments as they will stain very easily.

Important Things to Remember!

- ★ Shake well before each use
- ★ Mix in small batches (100g)
- ★ Use scales for accuracy
- ★ Don't over dose!
- ★ Careful not to spill
- ★ Use with White or Clear Resin
- ★ Works with Standard & Rapid Resin

Having Problems? Have you downloaded our [Calibration Models](#) yet? Please contact us on our website for [technical support](#).