

## IMT-CE06-3 BLK DAM ENCAPSULANT EPOXY

IMT-CE06-3 BLK is designed as a dam encapsulant epoxy. This dam epoxy is used together with IMT-CE06-3LV BLK fill epoxy to protect IC chip in microelectronics and hybrid applications. IMT-CE06-3 BLK offers excellent heat and chemical resistance as well as exhibits good adhesion property to PCB, flex-tape and ceramic materials.

IMT-CE06-3 BLK does not contains prohibited and/or hazardous substances. It is non-solvent type and a 100% solid system. It complies to RoHS3 directive 2015/863, Substances of Very High Concern (SVHC) published by ECHA as well as Halogen Free.

This dam epoxy has an outstanding viscosity stability of three months at room temperature. IMT-CE06-3 BLK is well suited for automated dispensing.

### TYPICAL PROPERTIES\*

Cure Conditions (Actual holding temp & time exclude ramp up & down)	1. 130°C for 60 mins 2. 140°C for 30 mins
Thaw Time from 0°C to RT	1. 6 hours for 1L Can 2. 20mins for 10cc Syringe and 45mins for 30cc Syringe

#### Physical Properties

Color	Matt black after cure
Consistency	Thixotropic paste
Specific Gravity	1.43
Viscosity @1rpm, 25°C	125,000cPs
Thixotropic Index @0.1/1rpm	2.75
Solid Content	100%
Glass Transition Temperature	139.5°C
CTE below Tg ( $\alpha_1$ )	53.01ppm
CTE above Tg ( $\alpha_2$ )	152.30ppm
Shore D Hardness	95
Water Absorption @100°C-1h	$\leq 0.5\%wt$
Operating Temperature	-40°C to 150°C

#### Ionic Contents

Chloride, Cl-	$\leq 600ppm$
Bromine, Br-	Not detected
PVC	Not detected

Pot Life	3 months at room temperature
Shelf Life	18 months at 0°C or below in closed container or syringe

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\* The information is based on data and tests believed to be accurate. In-Mat Technologies (S) Pte Ltd makes no warranties as to its accuracy and assumes no liability in connection with the use or inability to use this product.