

IMT-CE06-3LV BLK ENCAPSULANT EPOXY

IMT-CE06-3LV BLK is a single component, encapsulant epoxy. This epoxy is formulated as a globtop or fill material to protect IC chip in microelectronics and hybrid applications. IMT-CE06-3LV BLK offers excellent heat and chemical resistance as well as exhibits good adhesion property to PCB, flex-tape and ceramic materials.

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

IMT-CE06-3LV 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.

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	Flowable paste
Specific Gravity	1.40
Viscosity @1rpm, 25°C	65,000cPs
Thixotropic Index @0.1/1rpm	2.00
Solid Content	100%
Glass Transition Temperature	152°C
CTE below Tg (α_1)	56.43ppm
CTE above Tg (α_2)	155.50ppm
Shore D Hardness	90
Thermal Conductivity	0.25W/mK
Water Absorption @100°C-1h	≤ 0.5%wt
Operating Temperature	-40°C to 150°C

Ionic Contents

Chloride, Cl-	≤ 700ppm
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.