

IMT-CE06-3WB BLK ENCAPSULANT EPOXY

IMT-CE06-3WB BLK is a single component, encapsulant epoxy. This epoxy is formulated as a globtop epoxy to protect IC chip in microelectronics and hybrid applications. IMT-CE06-3WB 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 and well suited for automated and manual dispensing.

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

TYPICAL PROPERTIES*

Cure Conditions

1. 150°C for 15mins
2. 140°C for 30mins

Physical Properties

Color	Ultra gloss black after cure
Consistency	High viscosity paste
Specific Gravity	1.43
Viscosity @ 1rpm, 25°C	100,000cPs
Thixotropic Index @0.1/1rpm	2.50
Solid Content	100%
Glass Transition Temperature	146°C
CTE below Tg (α_1)	58.46ppm
CTE above Tg (α_2)	163.80ppm
Shore D Hardness	92
Weight Loss @140°C-30mins	≤ 0.10%wt
Water Absorption @ >98°C-60mins	≤ 0.50%wt
Operating Temperature	-40°C to above 175°C

Ionic Contents

Chloride, Cl-	< 650ppm
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

IN-MAT TECHNOLOGIES (S) PTE LTD
623 ALJUNIED ROAD, #05-09, ALJUNIED INDUSTRIAL COMPLEX
SINGAPORE 389835

Tel / Whatsapp / Wechat : +65-8688 8711
E-Mail: sales@inmat-tech.com
Website: www.inmat-tech.com

* 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.