

## IMT-CE06-DA BLK NON-CONDUCTIVE ADHESIVE

IMT-CE06-DA BLK is a single component, non-conductive epoxy adhesive formulated to bond chips on COB/COF. This non-conductive adhesive is designed to fast cure at moderate temperature and has an excellent pot life stability at room temperature. IMT-CE06-DA BLK possesses excellent heat resistance and adhesion strength to nickel, copper, gold and bare surfaces of printed circuit board.

IMT-CE06-DA BLK does not contain hazardous, prohibited substances, solvent and hence a 100% solid system. This non-conductive epoxy adhesive complies to RoHS3, EU directive 2015/863, Substance of Very High Concern (SVHC) published by ECHA as well as Halogen Free. It is packed in syringes for use in automated, high speed dispensing equipment or in jar for stamping / pin transfer method.

### TYPICAL PROPERTIES\*

Cure Conditions

1. 130°C for 15mins
2. 120°C for 30mins

Thaw Time from -20°C to RT

10cc syringe: 20mins  
30cc syringes: 45mins

#### Physical Properties

Color	Black before and after cure
Consistency	Flowable paste
Specific Gravity	1.16
Viscosity @10rpm, 25°C	23,600cPs
Solid Content	100%
Glass Transition Temperature	151°C
CTE below Tg ( $\alpha_1$ )	80.92ppm
CTE above Tg ( $\alpha_2$ )	180.90ppm
Shore D Hardness @ 120°C-15m	> 80
Die Shear Strength @120°C-15m	> 15Kgf per 3.5 x 2mm die on Cu substrate
Volume Resistivity	> 1 x 10 <sup>13</sup> Ωcm
Operating Temperature	-40°C to above 150°C

#### Ionic Contents

Chloride, Cl-	≤ 600ppm
Bromine, Br-	Not detected
PVC	Not detected

Pot Life	≥ 8 weeks at room temperature
Shelf Life	18 months at 0°C or below

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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.