

IMT-CE04-3CE BLK CASTING EPOXY

IMT-CE04-3CE BLK is a two components casting epoxy material. This casting epoxy is designed for room or low temperature cure conditions. The main features of IMT-CE04-3CE BLK are low viscosity, self-leveling, odorless, ease in demold from plastic/metal case, good electrical, mechanical and chemical properties.

IMT-CE04-3CE BLK does not contains any solvent and is a 100% solid system. This casting epoxy complies to RoHS3, EU directive 2015/863 and meets UL94-HB flammability requirement.

TYPICAL PROPERTIES*

Mix Ratio (by weight)	100 Parts of A (Resin) to 50 Parts of B (Hardener)
Cure Conditions	1. 100°C for 1 hours 2. RT for at least 8 hours. Higher adhesion strength after 2 days at RT

Physical Properties

Color	Gloss black before & after cure
Consistency	Low viscosity liquid
Specific Gravity	1.13
Viscosity of Part A @50rpm, 25°C	2,400cPs
Viscosity of Premixed @50rpm, 25°C	≤ 500cPs
Glass Transition Temperature, Tg	> 85°C
CTE below Tg (α_1)	64.53ppm
CTE above Tg (α_2)	246.0ppm
Shore D Hardness	D76

Pot Life	≥ 60 mins at room temperature
Shelf Life	12 months at room temperature in closed container

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.