

IMT-CE04-3F BLK POTTING EPOXY

IMT-CE04-3F BLK is a two components potting epoxy material. This potting epoxy is designed for room or low temperature cure condition. The main features of IMT-CE04-3F BLK are excellent adhesion strength to plastic materials, low viscosity, self-leveling, good electrical, chemical and mechanical properties.

IMT-CE04-3F BLK complies to RoHS3, EU directive 2015/863. This potting epoxy does not contains solvent and considered a 100% solid system.

TYPICAL PROPERTIES*

Mix Ratio (by weight)	100 Parts of A (Resin) to 50 Parts of B (Hardener)
Cure Conditions	1. 90°C for 1 hour 2. RT for at least 16 hours. Higher adhesion strength after 3 days at RT

Physical Properties

Color	Gloss black before & after cure
Consistency	Low viscosity liquid after premixed
Specific Gravity	1.11
Viscosity of Part A @50rpm, 25°C	1,250cPs
Viscosity of Premixed @50rpm, 25°C	≤ 500cPs
Glass Transition Temperature, Tg	≥ 70°C
CTE below Tg (α_1)	65ppm
CTE above Tg (α_2)	250ppm
Shore D Hardness	≥ D70

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

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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.