

IMT-CE04-3FR BLK CASTING EPOXY

IMT-CE04-3FR BLK is a two components casting epoxy material. This casting epoxy is designed to meet UL94-V0 flammability testing requirement 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-CE04-3FR BLK does not contains any solvent and is a 100% solid system. This casting epoxy complies to RoHS3 directive 2015/863 and meets UL94-V0 flammability requirement.

TYPICAL PROPERTIES*

Mix Ratio (by weight)	100 Parts of A (Resin) to 36 Parts of B (Hardener)
Cure Conditions	1. 100°C for 1 hours 2. RT for at least 12 hours. Higher adhesion strength after 3 days at RT

Physical Properties

Color	Gloss black before & after cure
Consistency	Low viscosity liquid
Specific Gravity	1.28
Viscosity of Part A @50rpm, 25°C	5,000cPs
Viscosity of Premixed @50rpm, 25°C	≤ 800cPs
Glass Transition Temperature, Tg	> 85°C
CTE below Tg (α_1)	65ppm
CTE above Tg (α_2)	250ppm
Shore D Hardness	D80

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

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