

ChangFu® EX3M

Tris[2-(3,4-epoxycyclohexyl)ethyl]dimethylsiloxy]methylsilane

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| Description | ChangFu® EX3M is a trifunctional alicyclic epoxy organosilicon compound. It combines the high reactivity of epoxy functional groups with the flexibility and heat resistance of organosilicon, making it an important modifier and crosslinking agent in the fields of electronics, semiconductors, and high-performance coatings. |
| Features & Benefits | <p>High reactivity and crosslink density.</p> <p>Low surface tension and shrinkage rate.</p> <p>Good weather resistance and low dielectric properties.</p> |
| Applications | <p>Used in the field of electronic and semiconductor packaging to reduce the internal stress generated by its shrinkage and adjust the dielectric properties.</p> <p>Used in epoxy resin modifiers and tougheners to improve toughness, bonding strength and resistance to wet heat ageing.</p> <p>Used in UV curing coatings and inks to give it rapid curing and chemical corrosion resistance.</p> |

Typical Properties

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| Description | Tris[2-(3,4-epoxycyclohexyl)ethyl]dimethylsiloxy]methylsilane |
| Product No. | ChangFu® EX3M |
| CAS No. | 121239-71-2 |
| Formula | C ₃₁ H ₆₀ O ₆ Si ₄ |
| Purity | min 90% |
| Color | Colorless or light yellow |
| Appearance | Clear liquid |

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| Package | <p>Offered in 25L pails and 200L drums.</p> <p>Custom packaging is available.</p> |
| Storage | <p>Stored in a cool, well-ventilated place.</p> <p>Keep the container tightly closed.</p> |
| Transportation | See the corresponding Safety Data Sheet. |