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**LEECURE 38-239 B
 BORON TRICHLORIDE AMINE COMPLEX
 LATENT EPOXY CURING AGENT AND ACCELERATOR**

Leepoxy's LEECURE 38-239 B is a boron trichloride amine complex useful as a latent curing agent for epoxy resins. Because of its excellent latency and electrical properties, LEECURE 38-239 B is used as an accelerator for anhydride, aromatic and dicyandiamide cured epoxy systems. These systems are commonly used in filament windings, advanced composites, and electrical encapsulation applications. LEECURE 38-239 B provides lengthy shelf lives at temperatures up to 80°C, yet is highly reactive at temperatures above 120°C.

LEECURE 38-239 B will crystallize at shipping and storage temperatures slightly below normal room temperature. Above 28°C (82.4°F), it remains a very low viscosity liquid, easily poured and processed into standard Bisphenol A epoxy resins. Whether as a latent curative or latent accelerator, the amount used in the formulation is determined by the base epoxy formulation and the reactivity desired.

Besides electrical encapsulation and potting, other viable applications for LEECURE 38-239 B include filament windings, pultrusions, moldings, castings, bonding, and electrical tape fabrication. As a latent catalyst, it complements Leepoxy's latent Lewis acid liquid boron trifluoride (BF₃) epoxy complexes.

TYPICAL HANDLING PROPERTIES

Mix Ratio by weight, phr	
as latent epoxy curative	1 – 5
as anhydride accelerator	0.1 – 1.0
Gel Time, 10 g, 5 phr, minutes	
@ 120°C	16
@ 140°C	5
Shelf Life, one-part system, 25°C, months	6

TYPICAL PROPERTIES

Appearance	Amber to Brown waxy solid
Melting Point, °C	≤ 28
Viscosity, 35°C, cps	60
Moisture Content, %	<0.60
Density, lbs./gal.	9.1
Shelf Life, 21°C, months	12

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