

ANCAMINE® 2442 Curing Agent**DESCRIPTION**

Ancamine 2442 curing agent is a modified polyamine designed for use as a latent curing agent for one-component epoxy formulations. The product can also be used to accelerate dicyandiamide (DICY). It provides an excellent balance of low-temperature activation, good shelf stability and high glass transition temperature, and can be used in many applications requiring latency and high performance.

BENEFITS

- Excellent reactivity
- Excellent green strength development
- Good formulation shelf stability
- High glass transition temperature

APPLICATIONS

- One-component convection or induction heat-cured adhesives
- Powder coatings
- Potting compounds
- Coatings
- Hot-melt pre-pregs
- Anhydride accelerator

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2442 curing agent.

SHELF LIFE

At least 24 months from the date of manufacture in the original sealed container at ambient temperature. Store away from excessive heat and humidity in tightly closed containers.

TYPICAL CURE SCHEDULE

30 minutes at 250°F.

TABLE 1: TYPICAL PROPERTIES

Appearance	White, Micronized Powder
Amine Value (Mg Koh/G)	95-135
Particle Size (Micron)	90% <10
Recommended Use Level (phr, EEW=190)	
As a Dicy Cure Accelerator	2-8
As a Sole Curing Agent	20

TABLE 2: TYPICAL FORMULATION (COMPOSITION BY WEIGHT)

Liquid Epoxy Resin	100
Ancamine 2442	20.0
Fumed Silica	1.0

TABLE 3: TYPICAL PERFORMANCE

Dsc Activation Temperature (°F)	199
Pot Life (150g Mix @ 110°F) (Months)	>3
Glass Transition Temperature (Dsc) (°F)	233

Epoxy Curing Agents and Modifiers

ANCAMINE® 2442 Curing Agent

EVONIK CORPORATION

7201 Hamilton Blvd.
Allentown, PA 18195
1 800 345-3148
Outside U.S. and Canada 1 610 481-6799

For Technical Information and Support:

Americas: picus@evonik.com
EMEA: apcse@evonik.com

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