

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.

TYPICAL PROPERTIES

Property	Value	Unit
Appearance	White, Micronized Powder	
Amine Value	95-135	mg KOH/g
Particle Size	90% <10	Micron
Recommended Use Level		phr, EEW=190
As a Dicy Cure Accelerator	2-8	
As a Sole Curing Agent	20	

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 120°C.

TYPICAL FORMULATION (COMPOSITION BY WEIGHT)

Property	Value
Liquid Epoxy Resin	100
Ancamine 2442	20.0
Fumed Silica	1.0

TYPICAL PERFORMANCE

Property	Value	Unit
Dsc Activation Temperature	93	°C
Pot Life (150g Mix @ 43°C)	>3	Months
Glass Transition Temperature (DSC)	112	°C

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