

AMICURE[®] CG-325G

Curing Agent

DESCRIPTION

Amicure CG-325G curing agent is a micronized grade of dicyandiamide containing 1.5% of an inert flow control additive to inhibit clumping and improve handling. It is designed for use as a latent curing agent for epoxy resins.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	White, Crystalline Particles		
Melt Point	405-406	°F	
Particle Size	97	microns	
90%	<44		
50%	<16		
Nitrogen as % of Dicy	99		
Equivalent Wt{H}	21		
Recommended Use Level	4-15	phr	EEW=190

ADVANTAGES

- Fine particle size provides enhanced reactivity versus coarser grades
- Excellent dispersibility in liquid resin due to high level of flow additive
- Shelf stability up to 6 months at 77°F in properly formulated systems
- Activation temperature can be easily varied from 355°F to 203°F with appropriate accelerator selection

APPLICATIONS

- One-component adhesives
- Recreational and industrial pre-preg composites
- Powder coatings

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.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Amicure CG-325G curing Agent.

TYPICAL CURE SCHEDULE

- 1) 1–2 hours at 355°F.
- 2) 45 minutes at 250°F with 0.5 parts Imicure™ AMI-2 curing agent.
- 3) 30 minutes at 285°F with 2–5 parts Ancamine® 2441 curing agent.

TYPICAL HANDLING PROPERTIES

Gel Time (150g mass @ 77°F) (mo) 12

TYPICAL PERFORMANCE

Tg	277	°F	Measured using DSC with 18°F/ min ramp. Value will be higher when accelerated with an imidazole.
Tg	257	°F	when accelerated with Ancamine 2441

SUGGESTED ACCELERATORS

- Amicure® UR series (substituted ureas)
- Imicure™ and Curezol™ series (imidazoles)
- Ancamine® 2014AS (modified amines)
- Ancamine® 2441/2442 (modified amines)

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