

Product information

AMICURE® CG-1200G

Curing Agent

DESCRIPTION

Amicure CG-1200G 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	207-212	°C	
Particle Size			
90%	< 30	microns	
50%	< 11	microns	
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
- Easily dispersed in liquid resins due to higher levels of flow agent
- Shelf stability up to 6 months at 25°C in properly formulated systems
- Activation temperature can be easily varied from 180°C to 95°C with appropriate accelerator selection

APPLICATIONS

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

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Amicure CG-1200G 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

- 1) 1–2 hours at 180°C.
- 2) 30 minutes at 140°C with 2–5 parts Ancamine® 2441 curing agent.

TYPICAL HANDLING PROPERTIES

Gel Time (150g mass @ 25°C) (mo) 12

TYPICAL PERFORMANCE

Tg	121	°C	Measured using DSC with 10K/ min ramp. Value will be higher when accelerated with an imidazole.
Tg	135	°C	When accelerated with Ancamine 2441

SUGGESTED ACCELERATORS

- Ancamine 2014AS / 2014FG
- Amicure UR2T
- Imidazoles (e.g. Imicure EMI-24)
- Ancamine 2441 / 2442
- Ancamine 2337S (in combination with Ancamine 2014AS / 2014FG / 2441 / 2442)

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