

**AMICURE<sup>®</sup> 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

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

## SUGGESTED ACCELERATORS

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

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