

## Product information

# DICYANEX<sup>®</sup> 1200

## Curing Agent

### DESCRIPTION

Dicyanex 1200 curing agent is a micronized grade of dicyandiamide containing 3% 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
Appearance	White, Crystalline Particles	
Melting Point	405-412	°F
Particle Size:		
90 %	<35	microns
50 %	<13	microns
Nitrogen as % of Dicyandiamide	99	
Equivalent Wt/{H}	21	
Recommended Use Level (EEW=190)	4-15	phr

### ADVANTAGES

- Fine particle size provides enhanced reactivity versus coarser grades
- Maximum dispersibility in liquid resin due to high level offlow additive
- Shelf stability of up to 6 months @ 77°F (25°C) in properly formulated Systems
- Activation temperature can be varied easily from 356°F - 203°F (180°C - 95°C) with appropriate accelerator selection

### APPLICATIONS

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

### SHELF LIFE

At least 12 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 Dicyanex 1200 curing agent.

## TYPICAL CURE SCHEDULE

- 1-2 h @ 356°F (180°C)
- 45 min @ 250°F (120°C) with 0.5 parts

## TYPICAL HANDLING PROPERTIES

Gel Time (month) [150 g mass @ 77°F (25°C)] 12

## SUGGESTED ACCELERATORS

Ancamine<sup>®</sup> 2014AS/2014FG  
Amicure<sup>™</sup> UR/UR2T  
Imidazoles

## TYPICAL PERFORMANCE

Property	Value	Unit
Tg*	250	°F
when accelerated with Ancamine 2014AS	115	

\* Measured using DSC with 50°F (10°C)/min ramp. Value will be higher when accelerated with an imidazole.

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**EVONIK OPERATIONS GMBH**

Business Line Crosslinkers  
Paul-Baumann-Str. 1  
45764 Marl  
Germany

[www.evonik.com/crosslinkers](http://www.evonik.com/crosslinkers)

**Product Information:** [APCSE@evonik.com](mailto:APCSE@evonik.com)

**Sample Request:** [APCSE@evonik.com](mailto:APCSE@evonik.com)

**EVONIK CORPORATION**

Business Line Crosslinkers  
7201 Hamilton Blvd.  
Allentown, PA 18195  
USA

[CrosslinkersProinfo@evonik.com](mailto:CrosslinkersProinfo@evonik.com)

[Crosslinkers-Samples@evonik.com](mailto:Crosslinkers-Samples@evonik.com)

**EVONIK SPECIALTY CHEMICALS  
(SHANGHAI) CO., LTD.**

Business Line Crosslinkers  
55, Chundong Road  
Xinzhuang Industry Park  
Shanghai, 201108  
China

[CL-Asiainfo@evonik.com](mailto:CL-Asiainfo@evonik.com)

[CL-Asiainfo@evonik.com](mailto:CL-Asiainfo@evonik.com)

