

DICYANEX® 1400B Curing Agent**DESCRIPTION**

Dicyanex 1400B 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.

ADVANTAGES

Finest particle size available in Dicyanex product series for maximum reactivity

- Easily dispersed in liquid resins
- 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

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Dicyanex 1400B 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

- 1-2 h @ 356°F (180°C)
- 45 min @ 250°F (120°C) with 0.5 parts Imicure™ AMI-2 curing agent

TABLE 1: TYPICAL PROPERTIES

Appearance	White, Crystalline Particles
Melting Point (°F)	405-412
Particle Size (microns) D90 < 10 um D50 < 5 um	
Nitrogen as % of Dicyandiamide	99
Equivalent Wt/{H}	21
Recommended Use Level (phr) (EEW=190)	4-15

TABLE 2: TYPICAL HANDLING PROPERTIES

Gel Time (month) [150 g mass @ 77°F (25°C)]	12
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TABLE 3: SUGGESTED ACCELERATORS

Ancamine® 2014AS/2014FG
Amicure™ UR/UR2T
Imidazoles

TABLE 4: TYPICAL PERFORMANCE

Tg (°F)*	250
when accelerated	
with Ancamine 2014AS	239

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

Epoxy Curing Agents and Modifiers

DICYANEX® 1400B Curing Agent

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