

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 improved 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 at 25°C in properly formulated systems
- Activation temperature can be varied easily from 180°C to 95°C) 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 Dicyanex 1400B curing agent.

TYPICAL PROPERTIES

Appearance	White, crystalline particles
Melting Point (°C)	207-211
Particle Size (Microns)	D90 <10µm D50 <5µm
Nitrogen as % Dicyandiamide	99
Equivalent Wt/{H}	21
Recommended use Level¹ [PHR]	4-15

TYPICAL HANDLING PROPERTIES

Gel Time (150g mass at 25°C), [month]	12
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SUGGESTED ACCELERATORS

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

TYPICAL PERFORMANCE PROPERTIES

Tg (°C)*	120
When accelerated with Ancamine 2014AS	115

*Measured using DSC with 10°C/min ramp. Value will be higher when accelerated with an Imidazole

TYPICAL CURE SCHEDULE

(i) 1-2 h @ 180°C
(ii) 45 mins @ 120°C with 0.5 parts Imicure™ AMI-2 curing agent

Footnote:

(1) With standard bisphenol A diglycidyl ether (EEW 190)

Epoxy Curing Agents and Modifiers

DICYANEX® 1400B Curing Agent

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