

Product information

IMICURE[®] AMI-1

Curing Agent

DESCRIPTION

Imicure AMI-1 curing agent is a liquid, elevated-temperature curing agent for epoxy resins. It is readily compatible with both liquid and solid epoxy resins, and because it is a catalytic curing agent, it is used at low loadings of 1-5 phr.

TYPICAL PROPERTIES

Property	Value	Unit
Appearance	Pale Yellow Liquid	
Purity	min 99	%
Water	< 0.5	%
Boiling Range @1.3 kPa	72-73	°C
Melting Point	-1 to -2	°C
Density	0.4 - 0.6	g/ml
Flash Point (open cup)	92	°C
Recommended Use Level (EEW=190)	2-4	phr

BENEFITS

- Compatible with liquid resin
- Dicyandiamide accelerator
- Develops Tg \approx 150°C in heat-cured Systems
- Soluble in water and most common polar organic solvents

APPLICATIONS

- Adhesives
- Pre-preg Composites
- Encapsulation

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Imicure AMI-1 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 HANDLING PROPERTIES

Property	Value	Unit
4 phr, ground to 80 mesh		
Pot Life @ 25°C (200 g mass w/ 1% fumed silica)	8	h

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