

IMICURE[®] IMIDAZOLE**Curing Agent****DESCRIPTION**

Imicure imidazole curing agent is an 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. It is a good accelerator for dicyandiamide, anhydride and phenolic curing agents.

TYPICAL PROPERTIES

Property	Value	Unit
Appearance	White Flakes	
Purity	min 99	%
Water	< 0.5	%
Boiling Range @ 13 mbar	136	°C
Melting Point	88-90	°C
Solubility	Soluble in Water and Alcohol	
Density	0.55 - 0.63	g/ml
Flash Point (open cup)	145	°C
Recommended Use Level (EEW=190)	1-4	phr

BENEFITS

- Very rapid development of properties
- Excellent dicyandiamide accelerator
- Develops Tg \approx 300°F (150°C) in heat-cured systems

APPLICATIONS

- Adhesives
- Pre-preg composites
- Encapsulation

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 Imicure Imidazole curing agent.

TYPICAL HANDLING PROPERTIES *

Property	Value	Unit
4 phr, ground to 80 mesh		
Pot Life @ 25°C (200 g mass w/ 1% fumed silica)	6.5	h
Gel Time @ 158°F (70°C) (200g mass)	20	min

* Imicure AMI-2T curing agent formulated with standard Bisphenol-A based (DGEBA, EEW=190) epoxy resin.

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