

**IMICURE<sup>®</sup> 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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