

## Product information

# ANCAMINE<sup>®</sup> 2450

## Curing Agent

### DESCRIPTION

Ancamine 2450 epoxy curing agent is a cycloaliphatic amine blend which exhibits low viscosity with good transition temperature and is a low cost alternative to other cycloaliphatics for composite applications.

### TYPICAL PROPERTIES

Property	Value	Unit
Appearance	Amber liquid	
Colour	8	Gardner
Viscosity @ 77°F	350	cP
Specific Gravity @ 77°F	0.9997	
Flash Point (closed cup)	90	°C
Equivalent Wt/{H}	42	
Recommended use Level EEW=190	25	PHR

### BENEFITS

- Higher glass transition temperature
- Low viscosity
- Good toughness

### APPLICATIONS

- Filament winding
- Wet lay-up laminating
- Potting compounds

### SHELF LIFE

At least 24 months from the date of manufacture in the original sealed containers at ambient temperatures. Store away from excessive heat and humidity in tightly closed containers.

## STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2450 curing agent.

## TYPICAL CURE SCHEDULE

**2 hours at 80°C and 3 hours at 150°C**

## TYPICAL HANDLING PROPERTIES\*

Property	Value	Unit
Mixed Viscosity @ 77°F	5,050	cP
Gel Time (150g mix @ 77°F)	160	min

## TYPICAL PERFORMANCE\*

Property	Value	Unit
Glass Transition Temperature (DSC)	335	°F
Tensile Strength	11,070	psi
Tensile Modulus	399	thousand psi
Compressive Strength	18,732	psi
Compressive Modulus	173	thousand psi
Flexural Strength	20,868	psi
Flexural Modulus	459	thousand psi
Elongation	5	%

\*Ancamine 2450 curing agent formulated with standard Bisphenol-A based (DGEBA, EEW=190) epoxy resin.



Ancamine® is a registered trademark of Evonik Industries AG or one of its subsidiaries.

**Disclaimer**

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

**EVONIK OPERATIONS GMBH**

Business Line Crosslinkers  
Paul-Baumann-Str. 1  
45764 Marl  
Germany

[www.evonik.com/crosslinkers](http://www.evonik.com/crosslinkers)

**Product Information:** [APCSE@evonik.com](mailto:APCSE@evonik.com)

**Sample Request:** [APCSE@evonik.com](mailto:APCSE@evonik.com)

**EVONIK CORPORATION**

Business Line Crosslinkers  
7001 Hamilton Boulevard  
Trexlerstown, PA 18087  
USA

[CrosslinkersProinfo@evonik.com](mailto:CrosslinkersProinfo@evonik.com)

[Crosslinkers-Samples@evonik.com](mailto:Crosslinkers-Samples@evonik.com)

**EVONIK SPECIALTY CHEMICALS  
(SHANGHAI) CO., LTD.**

Business Line Crosslinkers  
55, Chundong Road  
Xinzhuang Industry Park  
Shanghai, 201108  
China

[CL-Asiainfo@evonik.com](mailto:CL-Asiainfo@evonik.com)

[CL-Asiainfo@evonik.com](mailto:CL-Asiainfo@evonik.com)

