

## Product information

# ANCAMINE® 2557

## Curing Agent

### DESCRIPTION

Ancamine 2557 curing agent is a slightly lower viscosity version of Ancamine 1769 curing agent. It is a hydroxyalkylated polyamine for use in the ambient or elevated-temperature cure of liquid epoxy resins. It is designed to minimize the undesirable skin irritation potential associated with unmodified aliphatic amines.

### TYPICAL PROPERTIES

Property	Value	Unit
Appearance	Pale Yellow Liquid	
Colour	2	Gardner
Viscosity @ 77°F	365	cP
Amine Value	1,100	mg KOH/g
Specific Gravity @ 70°F	1.02	
Density @ 77°F	8.5	lb/gal
Flash Point (closed cup)	347	°F
Equivalent Wt/{H}	48	
Recommended use Level (EEW=190)	25	PHR

### ADVANTAGES

- Good mechanical and excellent electrical properties
- Low shrinkage and vapor pressure
- Good chemical resistance
- DOT noncorrosive

### APPLICATIONS

- Electrical potting and castings
- Wet lay-up laminating
- Tooling
- Adhesives

## 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 on Ancamine 2557 curing agent.

## TYPICAL CURE SCHEDULE

**2-7 days at ambient temperature.**  
**Gel at ambient temperature plus 2 hours at 212°F**

## TYPICAL HANDLING PROPERTIES\*

Property	Value	Unit
Gel Time (150g mix @ 77°F)	30	min
Thin Film Set Time @ 77°F	2.5	h

## TYPICAL PERFORMANCE\*

Property	Value	Unit
(Cured 7 days @ 25 °C)		
Glass Transition Temperature	58	°C
Shore D Hardness	80	
Tensile Strength	2,100	psi
Tensile Modulus	600	thousand psi
Elongation	4.2	%
Flexural Strength	6,950	psi
Flexural Modulus	544	thousand psi

\* Ancamine 2557 curing agent formulated with standard Bisphenol-A based (DGEBA, EEW=190) epoxy resin.

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**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, Chungong 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)

