

**ANCAMINE<sup>®</sup> 1922A****Curing Agent****DESCRIPTION**

Ancamine 1922A curing agent [3,3'-(Oxybis(2,1-ethanedioxy)) bis-1-popanamine] is a low viscosity, moderately reactive room temperature curing agent for liquid epoxy resins.

**TYPICAL PROPERTIES**

Property	Value	Unit	Method
Appearance	Clear light yellow liquid		
Colour	1		ASTM D 1544-80
Viscosity @ 25°C	10	mPa.s	Brookfield RVTD, Spindle 4
Assay	98.0	%	
Free water content	<0.2	%	
Amine Value	507	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 25°C	1.0	g/ml	
Equivalent	55	Wt/{H}	
Recommended use Level	29	PHR	With Bisphenol A diglycidyl ether (EEW=190)

**ADVANTAGES**

- Excellent thermal shock resistance
- High Toughness and resiliency
- Good electrical properties up to 60°C

**APPLICATIONS**

- Electrical potting and encapsulation
- Ambient and heat-cured structural adhesives
- Composite binders

## SHELF LIFE

At least 24 months from the date of manufacture in the original sealed container stored undercover at ambient temperature away from excessive heat and humidity.

## STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 1922A curing agent.

## TYPICAL HANDLING PROPERTIES

Property	Value	Unit	Method
Gel Time (150g mix @ 25°C )	57	mins	Techne GT-3 Gelation Timer
Peak Exotherm (150g mix at 25°C)	152	°C	
Peak Exotherm (150g mix at 25°C)	85	min	

## TYPICAL PERFORMANCE PROPERTIES

Property	Value	Unit	Method
Flexural Strength	91.0	MPa	ISO 178
Flexural Modulus	2.7	GPa	ISO 178
Glass Transition Temperature	48	°C	DSC

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

**Disclaimer**

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

**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  
7201 Hamilton Blvd.  
Allentown, PA 18195  
USA

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

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

**EVONIK SPECIALITY 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)

