

Product information

ANCAMINE® 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

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