

ANCAMINE® 1922A Curing Agent**DESCRIPTION**

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

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 PROPERTIES

Appearance	Clear light yellow liquid
Colour ¹	1
Viscosity ² @ 25°C [mPa.s]	10
Assay , [%]	98.0
Free water content , [%]	<0.2
Amine Value ³ [mg KOH/g]	507
Specific Gravity @ 25°C , [g/ml]	1.0
Equivalent Wt/{H}	55
Recommended use Level ⁴ [PHR]	29

TYPICAL HANDLING PROPERTIES

Gel Time ⁵ (150g mix at 25°C), [mins]	57
Peak Exotherm (150g mix at 25°C), [°C]	152
Peak Exotherm (150g mix at 25°C), [min]	85

TYPICAL PERFORMANCE PROPERTIES

Flexural Strength ⁶ , [MPa]	91.0
Flexural Modulus ⁶ , [GPa]	2.7
Glass Transition Temperature ⁷ , [°C]	48

- (1) ASTM D 1544-80
- (2) Brookfield RVTD, Spindle 4
- (3) Perchloric Acid Titration
- (4) With Bisphenol A diglycidyl ether (EEW=190)
- (5) Techne GT-3 Gelation Timer
- (6) ISO 178
- (7) DSC

Epoxy Curing Agents and Modifiers

ANCAMINE® 1922A Curing Agent

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