

Product information

ANCAMINE[®] 2919

Epoxy Curing Agent

DESCRIPTION

Ancamine 2919 is an amine curing agent to cure liquid epoxy resins at elevated ~100 °C temperatures. Ancamine 2919 curative exhibits long pot life with rapid cure ability at elevated temperatures. It provides excellent chemical resistance, high mechanical strength and high temperature tolerance.

TYPICAL PROPERTIES*

Property	Value	Unit	Method
Appearance	Pale yellow liquid		
Color	>2	Gardner	ASTM D 1544
Thermal Performance	112	°C	By DSC – dynamic, second heating cycle
Mix Viscosity @ 25°C	600-800	cP	Brookfield RVTD, spindle 27
Time to Double Viscosity @ 25°C	110	min	
Time to 1,500 cP @ 25°C	160	min	
Equivalent Wt/{H}	42		
Recommended Use Level	24	PHR	

*Ancamine 2919 curing agent formulated with standard Bisphenol-A based (DGEBA, EEW=180) epoxy resin

APPLICATIONS

- Filament Wound Pipe / Tanks / Fittings
- Laminates and Composites

ADVANTAGES

- Good Pot Life
- High Heat Deflection Temperature
- Excellent Chemical Resistance
- Excellent Physical Properties

MECHANICAL PERFORMANCE - CAST PANEL*

Property	Value	Unit	Method
Flexural Strength	19,600	psi	ASTM D790
Flexural Modulus	450,000	psi	
Tensile Strength	10,200	psi	ASTM D638
Tensile Modulus	500,000	psi	
Tensile Elongation at Break	7.3	%	
Compressive Strength	12,000	psi	ASTM D695
Compressive Modulus	300,000	psi	

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RECOMMENDED PROCESSING

- Filament Winding
- Resin Transfer Molding
- Fiber Impregnation in a Controlled Environment

STORAGE LIFE

At least 36 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 for Ancamine 2919 curing agent.

TYPICAL CURE SCHEDULE

4 hours at 100°C

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