

Product information

ANCAMINE[®] 2919

Epoxy Curing Agent

DESCRIPTION

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

TYPICAL PROPERTIES*

Property	Value	Unit	Method
Appearance	Pale yellow liquid		
Colour	<2	Gardner	ASTM D 1544
Glass Transition Temperature	112	°C	By DSC – dynamic, second heating cycle
Mix Viscosity @ 25°C	600-800	mPa.s	Brookfield RVTD, spindle 27
Time to Double Viscosity @ 25°C	110	min	
Time to 1,500 cP @ 25°C	160	min	
Equivalent	42	Wt{H}	
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	135	MPa	ASTM D790
Flexural Modulus	3.100	MPa	
Tensile Strength	70	MPa	ASTM D638
Tensile Modulus	3.400	MPa	
Tensile Elongation at Break	7.3	%	
Compressive Strength	83	MPa	ASTM D695
Compressive Modulus	2070	MPa	

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RECOMMENDED PROCESSING

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

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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