

ANCAMINE[®] 2579**Curing Agent****DESCRIPTION**

Ancamine 2579 curing agent is a low-viscosity modified cycloaliphatic amine designed for use with liquid epoxy resins in two-package formulations. It yields formulations with low color and excellent color stability offering best-in-class yellowing resistance while maintaining typical performance properties of conventional cycloaliphatic polyamines. These properties make Ancamine 2579 curing agent ideal for flooring and coating formulations.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Amber Liquid		
Colour	<2	Gardner	ASTM D 1544-80
Viscosity @ 25°C	600	mPa.s	ASTM D-445-83, Brookfield, RVTD, Spindle 4
Amine Value	280	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 77°F (25°C)	1.04		ASTM D 1475-85
Flash Point	>93	°F	Seta Flash Closed Cup
AHEW Wt/{H}	115		
Recommended Use Level (EEW=190)	60	PHR	

ADVANTAGES

- Best-in-class yellowing resistance
- Excellent color
- Very good chemical resistance
- Good resistance to carbamation and water spotting

APPLICATIONS

- Electrical potting and castings
- Industrial flooring
- High-solids and solvent free coatings

SHELF LIFE

At least 24 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 on Ancamine 2579 curing agent.

TYPICAL HANDLING PROPERTIES*

Property	Value	Unit
Use Level	60	phr
Mixed Viscosity @ 25°C	4,000	cPs
Gel Time:		
150 g mix @ 25°C	40	min
150 g mix @ 10°C	85	min
Thin Film Set Time:		
@ 25°C	5.5	h
@ 10°C	14	h

TYPICAL PERFORMANCE PROPERTIES*

Property	Value	Unit
(Cured 7 days @ 25 °C)		
Glass Transition Temperature	45	°C
Compressive Strength @ Yield	10,300	psi
Compressive Modulus	232	thousand psi
Tensile Strength	7,500	psi
Tensile Modulus	957	thousand psi
Flexural Strength	13,000	psi
Flexural Modulus	435	thousand psi
Hardness (Shore D)	85	
60° Specular Gloss	188	

* Ancamine 2579 formulated with standard Bisphenol-A (DGEBA, EEW=190) epoxy resin.

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