

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.

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 PROPERTIES

Appearance	Amber Liquid
Color¹ (Gardner)	<2
Viscosity² @ 25°C (cP)	600
Amine Value³ (mg KOH/g)	280
Specific Gravity⁴ @ 25°C	1.04
Flash Point⁵ (°C)	>93
Equivalent Wt/{H}	115
Recommended Use Level (phr, EEW=190)	60

TYPICAL HANDLING PROPERTIES*

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

TYPICAL PERFORMANCE*

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

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

Footnotes:

- (1) ASTM D 1544-80
- (2) ASTM D-445-83, Brookfield, RVT D, Spindle 4
- (3) Perchloric Acid Titration
- (4) ASTM D 1475-85
- (5) Seta Flash Closed Cup

Epoxy Curing Agents and Modifiers

ANCAMINE® 2579 Curing Agent

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