

Product information

ANCAMINE[®] 2264

Curing Agent

DESCRIPTION

Ancamine 2264 is an epoxy curing agent with both cycloaliphatic and aromatic character. The product is an ideal alternative to aromatic diamines in the elevated temperature cure of epoxy resins.

TYPICAL PROPERTIES

Property	Value	Unit
Appearance	Amber Liquid	
Colour	9	Gardner
Viscosity @ 77°F	2,600	cP
Specific Gravity @ 77°F	1.00	
Amine Value	502	mg KOH/g
Flash Point (closed cup)	>227	°F
Equivalent Wt{H}	54	
Recommended use Level (EEW=190)	29	phr

ADVANTAGES

- Higher glass transition temperature
- Good toughness
- Excellent solvent resistance
- Improved acid resistance

APPLICATIONS

- Filament winding
- Resin transfer molding
- Casting
- Potting for tooling, electrical and general industrial applications
- Modifier for other curing agents

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2264 curing agent.

SHELF LIFE

24 months from the date of manufacture in the original sealed container at ambient temperature. Ancamine 2264 curing agent is slightly hygroscopic and tends to form carbamates in air. Therefore, opened containers require careful resealing and nitrogen blanketing.

TYPICAL CURE SCHEDULE

2 hours at 176°F and 3 hours at 300°F.

TYPICAL HANDLING PROPERTIES

Property	Value	Unit
Mixed Viscosity @ 77°F	6,300	cP
Gel Time (150g mix @ 77°F)	195	min

TYPICAL PERFORMANCE*

Property	Value	Unit
Glass Transition Temperature (DSC)	327	°F
Tensile Strength	10.3	thousand psi
Tensile Modulus	365	thousand psi
Elongation	4.6	%

* Ancamine 2264 curing agent formulated with Bisphenol-A based (EEW=182) epoxy resin.

CHEMICAL IMMERSION (120 DAYS)

	% Weight Change
25% Acetic Acid	11.52
10% Nitric Acid	3.42
30% Sulfuric Acid	1.79
Acetone	6.49
Toluene	0.64
Methanol	5.64
Ethanol	0.51
10% Ammonium Hydroxide	1.77
10% Sodium Hydroxide	1.49
Deionized Water	1.65

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