

Product information

ANCAMINE® 2557

Curing Agent

DESCRIPTION

Ancamine 2557 curing agent is a slightly lower viscosity version of Ancamine 1769 curing agent. It is a hydroxyalkylated polyamine for use in the ambient or elevated-temperature cure of liquid epoxy resins. It is designed to minimize the undesirable skin irritation potential associated with unmodified aliphatic amines.

TYPICAL PROPERTIES

Property	Value	Unit
Appearance	Pale Yellow Liquid	
Colour	2	Gardner
Viscosity @ 77°F	365	cP
Amine Value	1,100	mg KOH/g
Specific Gravity @ 70°F	1.02	
Density @ 77°F	8.5	lb/gal
Flash Point (closed cup)	347	°F
Equivalent Wt/{H}	48	
Recommended use Level (EEW=190)	25	PHR

ADVANTAGES

- Good mechanical and excellent electrical properties
- Low shrinkage and vapor pressure
- Good chemical resistance
- DOT noncorrosive

APPLICATIONS

- Electrical potting and castings
- Wet lay-up laminating
- Tooling
- Adhesives

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 2557 curing agent.

TYPICAL CURE SCHEDULE

2-7 days at ambient temperature.
Gel at ambient temperature plus 2 hours at 212°F

TYPICAL HANDLING PROPERTIES*

Property	Value	Unit
Gel Time (150g mix @ 77°F)	30	min
Thin Film Set Time @ 77°F	2.5	h

TYPICAL PERFORMANCE*

Property	Value	Unit
(Cured 7 days @ 25 °C)		
Glass Transition Temperature	58	°C
Shore D Hardness	80	
Tensile Strength	2,100	psi
Tensile Modulus	600	thousand psi
Elongation	4.2	%
Flexural Strength	6,950	psi
Flexural Modulus	544	thousand psi

* Ancamine 2557 curing agent formulated with standard Bisphenol-A based (DGEBA, EEW=190) epoxy resin.

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