
Epoxy Curing Agents and Modifiers

Ancamine® 2167 Curing Agent

DESCRIPTION

Ancamine 2167 curative is a low-viscosity curing agent for epoxy resins. This curing agent has both cycloaliphatic and aromatic character. Ancamine 2167 curing agent is an ideal alternative to aromatic diamines for the elevated temperature cure of epoxy resins.

ADVANTAGES

- Higher tensile strength
- Improved toughness
- Improved elongation

APPLICATIONS

- Filament winding
- Resin transfer molding
- Tooling
- Casting

STORAGE LIFE

At least 24 months from the date of manufacture in the original sealed containers at ambient temperature. Store away from excessive heat and humidity in tightly closed containers.

HANDLING PRECAUTIONS

Refer to the Material Safety Data Sheet for Ancamine 2167 curing agent.

TYPICAL CURE SCHEDULE

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

TYPICAL PROPERTIES

Color (Gardner)	3
Viscosity @ 77F (cP)	210
Specific Gravity @ 77°F	0.975
Amine Value (mg KOH/g)	520
Flash Point (closed cup) (°F)	>229
Equivalent Wt/{H}	53
Recommended Use Level (phr, EEW=190)	28

TYPICAL HANDLING PROPERTIES*

Mixed Viscosity @ 77F (cP)	2,340
Gel Time (150g mix @ 77F) (min)	210

TYPICAL PERFORMANCE*

Glass Transition Temperature (°F) (DSC)	327
Tensile Strength (thousand psi)	24.2
Tensile Modulus (thousand psi)	818.4
Elongation (%)	6.9
Fracture Toughness, K _{IC} (psivin)	690

* Ancamine 2167 curing agent formulated with standard Bisphenol A-based (DGEBA, EEW=182) epoxy resin.