
Epoxy Curing Agents and Modifiers

Ancamine® 2450 Curing Agent

DESCRIPTION

Ancamine 2450 epoxy curing agent is a cycloaliphatic amine blend which exhibits low viscosity with good transition temperature and is a low cost alternative to other cycloaliphatics for composite applications.

ADVANTAGES

- Higher glass transition temperature
- Low viscosity
- Good toughness

APPLICATIONS

- Filament winding
- Wet lay-up laminating
- Potting compounds

STORAGE LIFE

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

HANDLING PRECAUTIONS

Refer to the Material Safety Data Sheet for Ancamine 2450 curing agent.

TYPICAL CURE SCHEDULE

2 hours at 80 °C and 3 hours at 150 °C.

TYPICAL PROPERTIES

Appearance	Amber Liquid
Color (Gardner)	8
Viscosity @ 77 °F (cP)	350
Specific Gravity @ 77 °F	0.9997
Flash Point (closed cup) (°C)	90
Equivalent Wt/{H}	42
Recommended Use Level (phr, EEW=190)	25

TYPICAL HANDLING PROPERTIES*

Mixed Viscosity @ 77 °F (cP)	5,050
Gel Time (150 g mix @ 77 °F) (min)	160

TYPICAL PERFORMANCE*

Glass Transition Temperature (°F) (DSC)	335
Tensile Strength (psi)	11,070
Tensile Modulus (thousand psi)	399
Compressive Strength (psi)	18,732
Compressive Modulus (thousand psi)	173
Flexural Strength (psi)	20,868
Flexural Modulus (thousand psi)	459
Elongation (%)	5

* Ancamine 2450 curing agent formulated with standard Bisphenol-A based (DGEB, EEW=190 epoxy resin.