

Product information

ANCAMIDE[®] 400

Curing Agent

DESCRIPTION

Ancamide 400 curing agent is a unique, low viscosity reactive polyamide developed specifically for use in the curing of liquid epoxy resins.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Amber Liquid		
Color	7	Gardner	
Viscosity @ 77°F	1,600	cP	
Amine Value	405	mg KOH/g	
Specific Gravity @ 77°F	.970		
Weight per Gallon	8.1		
Flash Point (closed cup)	320	°F	
Equivalent Wt/{H}	95		
Recommended Use Level	50	phr	EEW=190

ADVANTAGES

- Low viscosity
- Good stability to light
- Excellent compatibility with epoxy resins, including Bisphenol-F types, without induction

APPLICATIONS

- Flooring and surface coatings
- Adhesives
- Sealants and putties
- Castings
- Laminates
- Cable jointing compounds

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamide 400 curing agent.

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.

TYPICAL CURE SCHEDULE

7 days at ambient temperature. 2 hours at 140°F plus 1 hour at 212°F.

TYPICAL HANDLING PROPERTIES*

Property	Value	Unit
Gel Time (150g mix @ 77 °F)	65	min
Thin Film Set Time @ 77 °F	9.5	h
Peak Exotherm (100g mix @ 77°F)	221	°F
Peak Exotherm Time	117	min

TYPICAL PERFORMANCE*

Cure Schedule 1	
Heat Deflection Temperature (ASTM D648-264 psi) (°F)	122
Barcol Hardness (Model GYZJ-935)	69
Bond Strength (mild steel to mild steel) (psi)	1,750
Flexural Strength (psi)	7,750
Flexural Modulus (thousand psi)	250
Tensile Strength (psi)	4,500
Tensile Modulus (thousand psi)	362.5
Elongation (%)	1.44

* Ancamide 400 curing agent formulated with standard Bisphenol-A based (DGEBA, EEW=190) epoxy resin.

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