

ANCAMIDE® 350A Curing Agent**DESCRIPTION**

Ancamide® 350A curing agent is one in a series of standard reactive liquid polyamides for use in the curing of epoxy resins.

Evonik also offers Ancamide® 351A curing agent which is similar to Ancamide 350A in performance. Ancamide 351A may be a more cost effective alternative for your formulation.

ADVANTAGES

- Low viscosity
- Higher imidazoline content
- Long pot life with liquid resins
- Complies with FDA regulation 21 CFR 175.300; 21 CFR 176.170 and 21 CFR 175.105

APPLICATIONS

- High-solids coatings
- Adhesives and sealants
- Encapsulation
- Castings

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamide 350A 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

2 to 7 days at ambient temperature. Films can be force dried or baked to accelerate cure.

TABLE 1: TYPICAL PROPERTIES

Appearance	Amber Liquid
Color¹ (Gardner)	7
Viscosity² @ 77 °F (cP)	11,000
Specific Gravity @ 77 °F	.97
Weight per Gallon @ 77 °F	8.1
Amine Value, mg KOH/g	380
Flash Point³ (°F)	340
Equivalent Wt/{H}	100
Recommended Use Level (phr,EEW=190)	55

TABLE 2: TYPICAL HANDLING PROPERTIES*

Gel Time (150g mix @ 77 °F) (min)	200
Thin Film Set Time @ 77 °F(h)	11

TABLE 3: TYPICAL PERFORMANCE*

Heat Deflection Temperature⁴ (°F)	124
Flexural Strength (psi)	10,600

* Ancamine 350A curing agent formulated with standard Bisphenol-A based (DGEBA, EEW=190) epoxy resin.

Footnotes:

- (1) ASTM D1544-80
- (2) Brookfield, ASTM D445-83
- (3) Seat Flash Closed Cup
- (4) ASTM D648 at 264 psi

Epoxy Curing Agents and Modifiers

ANCAMIDE® 350A Curing Agent

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