

ANCAMINE[®] 2868 Curing Agent

Curing Agent

DESCRIPTION

Ancamine 2868 curing agent is a modified phenol free cyclic polyamine intended for use as an accelerator for epoxy formulations. When used as a co-curing agent with Polyamides, Amidoamines, and Cycloaliphatic amine curing agents, Ancamine 2868 provides an ultra-rapid thin film cure. Ancamine 2868 is a modified phenol-free cyclic polyamine designed as an accelerator for epoxy formulations. When used as a co-curing agent with polyamides, amidoamines, and cycloaliphatic amine curing agents, Ancamine 2868 provides an ultra-rapid thin film cure. It offers the most efficient acceleration of cure when utilized at 15-30 PHR with other curing agents, and the rate of cure can be adjusted by varying the ratio of Ancamine 2868 in the final formulation.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Clear liquid		
Colour	< 3	Gardner	ASTM D 1544-80
Viscosity @ 77°F (23°C)	400-500	mPa.s	ASTM-D2196-05, Brookfield DV+ Spindle 5
Amine Value	370-440	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 77°F (23°C)	1.01		
Equivalent	113	Wt{H}	
Recommended use Level	60	PHR	Bisphenol A diglycidyl ether resin (EEW=190)

ADVANTAGES

- Phenol free
- Low color
- Good blush resistance
- Low viscosity

APPLICATIONS

- Accelerator for Polyamides, Amidoamines and Cycloaliphatic curing agents
- Industrial maintenance
- Protective coatings
- Civil engineering applications

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 for Ancamine 2868 curing agent.

TYPICAL HANDLING PROPERTIES*

Property	Value	Unit	Method
Use Level	60	PHR	
Gel Time (150g mix @ 77°F (23°C)	19	min	Techne GT-3 Gelation Timer
Thin Film Set Time 77°F (23°C)	1.5	h	ASTM D5895 BK Drying Recorder Phase III
Thin Film Set Time 40°F (5°C)	5	h	ASTM D5895 BK Drying Recorder Phase III
Carbamation resistance 77°F (23°C) 24 hr	4	Scale 1-5	ISO 2812 (wet Patch Method) scale 1-5 (5 is best)
Shore D Hardness (1/3/7 days) @ 77°F (23°C)	82/84/84	Shore D	ISO 868

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