Product information

ANCAMIDE® 2798

Curing Agent

DESCRIPTION

Ancamide 2798 curing agent is a modified aliphatic amidoamine curing agent designed for use with liquid epoxy resin. Ancamide 2798 offers low viscosity and enhanced reactivity at elevated temperatures. These features along with moderate pot life and low exotherm make Ancamide 2798 suitable for casting, wet lay-up laminating, and filament winding. The raw materials being used to make Ancamide 2798 are listed on the Positive List for coatings in drinking water (KTW guideline; Annex 1, 30. November 2010).

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Amber liquid		
Color	max. 10	Gardner	ASTM D1544
Viscosity @ 25°C	100-200	mPa.s	Rheometer Anton Paar MCR 302 CP-50-1
Amine Value	300-350	mg KOH /g	Perchloric Acid Titration
Specific Gravity @ 25°C	0.93	g/mL	
Equivalent Wt/{h}	86		
Recommended Use Level	46	PHR	With bisphenol-A based epoxy resin (EEW=187)

ADVANTAGES

- Moderate pot life
- Low viscosity
- Enhanced reactivity

APPLICATIONS

- Filament winding
- Composites and wet lay-up

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TYPICAL CURE SCHEDULE

5 hr @ 45°C
2-3 hr @ 60-70°C

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamide 2798 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 HANDLING PROPERTIES*

Property	Value	Unit	Method
Mixed Viscosity @ 25°C	1700	mPa.s	Rheometer Anton Paar MCR 302 CP-50-1
Mixed Viscosity @ 45°C	300	mPa.s	Rheometer Anton Paar MCR 302 CP-50-1
Gel Time @ 25°C	130-150	min	Techne GT-3 Gelation Timer, 150 g mix
Time to 10,000 mPa.s @ 45°C	55-60	min	Rheometer Anton Paar MCR 302 CP-50-1
Time to 10,000 mPa.s @ 60°C	30-32	min	Rheometer Anton Paar MCR 302 CP-50-1
Time to 10,000 mPa.s @ 70°C	20-22	min	Rheometer Anton Paar MCR 302 CP-50-1
Gel Point {G'=G"} @ 70°C	105-115	min	Rheometer Anton Paar MCR 302 CP-50-1

TYPICAL PERFORMANCE PROPERTIES*

Property	Value	Method
Glass Transition Temperature (°C)		DSC @ 10°C/min heating scan
Second Heating Scan	55	
Cured for 2 h @ 70°C	65	

* With bisphenol-A based epoxy resin (EEW=187)

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