

Product information

ANCAMIDE[®] 3581

Curing Agent

DESCRIPTION

Ancamide 3581 curing agent is a modified polyamide curing agent for use with liquid epoxy resin. It is designed to cure liquid epoxy resin at elevated temperatures and is especially suited for use in structural adhesive applications.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Yellow liquid		
Color	max 8	Gardner	ASTM D 1544
Viscosity @ 25°C	300-500	mPa.s	Brookfield LV, spindle 21 or RV, spindle 27 (mix)
Amine Value	375-425	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 21°C	0.95		
Equivalent Wt{h}	81		
Recommended Use Level	43-46	phr	With Bisphenol-A based epoxy resin (EEW=187)

ADVANTAGES

- Long pot life
- Low viscosity
- Moderate glass transition temperature
- Improved property build-up

APPLICATIONS

- Adhesives

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 Ancamide 3581 curing agent.

TYPICAL HANDLING PROPERTIES

Property	Value	Unit	Method
Mixed viscosity @ 25°C	2,500-4,000	mpa.s	Brookfield LV, spindle 21 or RV, spindle 27 (mix)
Gel time @ 25°C	170-220	min	Techne GT-3 Gelation Timer, 150 g mix
Time to 10 pa.s @ 40°C	60-80	min	
Time to 10 pa.s @ 70°C	19-23	min	

TYPICAL PERFORMANCE PROPERTIES

Property	Value	Unit	Method
Glass Transition Temperature	80-90	°C	DSC @ 10°C/ min second heating scan

TYPICAL CURE SCHEDULE

2 hrs @ 80°C

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