Product information

ANCAMINE® AEP

Curing Agent

DESCRIPTION

Ancamine AEP curing agent is a 96% minimum purity grade of N-aminoethyl-piperazine, designed for use as a curing agent for liquid epoxy resins. It is characterized by its rapid gel at room temperature to give a B-stage cure. It requires an elevated temperature post-cure to obtain optimum properties, notably high impact strength and good thermal shock resistance. It can also be formulated with flexibilizers and accelerators to give systems that will cure at room temperature.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Clear liquid		
Colour	1	Gardner	
Viscosity @ 77°F	10	cP	
Amine Value	1,297	mg KOH/g	
Density @ 77°F	8.2	lb/gal	
Flash Point	215	°F	closed cup
Equivalent Wt/{H}	43		
Recommended Use Level	23	phr	EEW=190

APPLICATIONS

- Concrete adhesives and mortars
- Trowelable flooring
- Decoupage systems
- Small electrical pottings and encapsulation
- Accelerating co-curing agent for other amines

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 AEP curing agent.

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TYPICAL CURE SCHEDULE

Gel at room temperature plus 2 hours at 212°F

TYPICAL HANDLING PROPERTIES *

Property	Value	Unit	Method
Gel Time (150g mix @ 77°F)	19	min	

TYPICAL PERFORMANCE *

Property	Value	Unit	Method
Heat Deflection Temperature	225	°F	ASTM D648-264 psi
Flexural Strength	19,000	psi	
Tensile Strength	10,000	psi	

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

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