

Product information

ANCAMINE[®] 1768

Curing Agent

DESCRIPTION

Ancamine 1768 is a fast curing relatively moisture insensitive, activated aliphatic amine curing agent, particularly suitable for use in patch repair compounds and solvent free coatings. Its good colour also enables it to be useful accelerator for cycloaliphatic amine cured coatings and flooring. A special feature of Ancamine 1768 is the thixotropic effect it has in epoxy formulations.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Pale yellow liquid		
Colour	3	Gardner	ASTM D 1544-80
Viscosity @ 25°C	220-300	mPa.s	Brookfield RVTD, Spindle 4
Amine Value	620-680	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 21°C	0.97	g/ml	
Equivalent	95	Wt/{H}	
Recommended use Level	50	PHR	With Bisphenol A diglycidyl ether (EEW=190)

ADVANTAGES

- Low colour
- Relatively moisture insensitive
- Excellent chemical resistance to distilled water, Alkalis and detergent solutions

APPLICATIONS

- Patch repair compounds
- Solvent free coatings
- Accelerator for cycloaliphatic amine cured coatings and floorings

SHELF LIFE

At least 24 months from the date of manufacture in the original sealed container at ambient temperature.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 1768 curing agent.

TYPICAL HANDLING PROPERTIES

Property	Value	Unit	Method
Mixed Viscosity @ 25°C	1,500	mPas	Brookfield RVTD, Spindle 4
Gel Time (150g mix @ 25°C)	10	min	Techne GT-3 Gelation Timer
Peak Exotherm (150g mix at 25°C)	152	°C	
Thin Film Set Time @ 25°C	152	h	BK Drying Recorder Phase III
Typical cure schedule	2- 7	days	

TYPICAL PERFORMANCE PROPERTIES

Property	Value	Unit	Method
Tensile Strength	42	MPa	ISO 527
Tensile Modulus	3.0	GPa	ISO 527
Tensile Elongation at Break	1.6	%	
Flexural Strength	14.6	MPa	ISO 178
Flexural Modulus	2.4	GPa	ISO 178
Heat Distortion Temperature	64	°C	ASTM D 648

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