

Product information

ANCAMINE[®] 2641

Curing Agent

DESCRIPTION

Ancamine 2641 curing agent is an accelerated modified aliphatic amine curative intended for use with liquid epoxy resins in two-part ambient or low-temperature cure systems. It has been designed for use where rapid thin film cure or reduced temperature cure is required. It may also be used as an accelerator for other amine-based curing agents.

TYPICAL PROPERTIES

Property	Value	Unit
Appearance	Yellow Liquid	
Color	4	Gardner
Viscosity @ 77°F	3,500	cP
Amine Value	580	mg KOH/g
Specific Gravity @ 77°F	1.04	
Equivalent	91	Wt/{H}
Recommended use Level	48	phr, EEW=190

BENEFITS

- Very rapid cure and property development
- Fast low-temperature cure
- Phenol-free

APPLICATIONS

- Patch repair compounds
- Adhesives
- Accelerator for other amines and polyamides

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.

Material may crystallize or solidify upon exposure to low temperatures. Crystallized or solidified material can be utilized after melting at elevated temperatures without impacting handling or physical properties. It is recommended that the material be heated to 50-70°C while mixing continuously for 1 h. Once the solidified material has fully homogenized, it can be cooled to room temperature and utilized under normal conditions.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2641 curing agent.

TYPICAL CURE SCHEDULE

2-7 days at ambient temperature.

TYPICAL HANDLING PROPERTIES*

Property	Value	Unit
Gel Time (150g mix @ 77°F)	6	min
Thin Film Set Time @ 77°F	1.0	h
@ 40°F	2	h
Peak Exotherm (100g mass)	390	°F
Peak Exotherm Time	9	min

THERMAL PERFORMANCE*

Property	Value	Unit
(Cured 7 days @ 77°F)		
Glass Transition Temperature	133	°F
60° Film Gloss	100	

* Ancamine 2641 curing agent formulated with standard Bisphenol-A based (DGEBA, EEW=190) epoxy resin at 48 phr

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