

Product information

ANCAMINE[®] 2686

Curing Agent

DESCRIPTION

Ancamine 2686 curing agent is a modified cycloaliphatic polyamine intended for use as a room temperature curing agent for liquid epoxy resin. Based upon Evonik's cycloaliphatic amines, it offers exceptional cost-in-use economics and a broad balance of chemical resistance and surface appearance properties. Ancamine 2686 curing agent provides high mechanical build, rapid cure and is particularly suitable for lower temperature use.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Yellow Liquid		
Colour	max 12	Gardner	ASTM D 1544-80
Viscosity @ 77°F (25°C)	100-400	mPa.s	Brookfield RVTD, spindle 4
Amine Value	300-350	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 70°F (21°C)	1.0		
Equivalent Wt/{H}	95		
Recommended Use Level	50	PHR	With Bisphenol-A diglycidyl ether(EEW=190)

ADVANTAGES

- Excellent chemical resistance
- Good low temperature cure

APPLICATIONS

- Non-color sensitive applications
- Industrial flooring, screeds, primers, grouts
- Cost sensitive applications
- Chemical resistant tank linings
- High solids coatings
- Secondary containment

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. Do not freeze.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2686 curing agent.

TYPICAL HANDLING PROPERTIES*

Property	Value	Unit	Mthod
Gel Time, 150g mix at 77°F (25°C)	35	min	Techne GT-3 Gelation Timer
Thin Film Set Time at 77°F (25°C)	4.0	h	BK Drying Recorder Phase II
Hardness Shore D at 77°F (25°C)	78	24h	DIN 53505
Hardness Shore D at 50°F (10°C)	70	24h	DIN 53505
Typical cure schedule	2- 7	days	
Compressive Strength	90	MPa	ISO 604
Compressive Modulus	2.2	GPa	ISO 604
Flexural Strength	93	MPa	ISO 178
Flexural Modulus	3.0	GPa	ISO 178
Heat Distortion Temperature	50	°C	ASTM D648
Carbamation Test	4		ISO 2812 (Wet Patch Method), scale 1-5 (5 is best)

*With Bisphenol-A diglycidyl ether (EEW=190)

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EVONIK OPERATIONS GMBH

Business Line Crosslinkers
Paul-Baumann-Str. 1
45764 Marl
Germany

www.evonik.com/crosslinkers

Product Information: APCSE@evonik.com

Sample Request: APCSE@evonik.com

EVONIK CORPORATION

Business Line Crosslinkers
7001 Hamilton Boulevard
Trexlerstown, PA 18087
USA

CrosslinkersProinfo@evonik.com

Crosslinkers-Samples@evonik.com

EVONIK SPECIALTY CHEMICALS (SHANGHAI) CO., LTD.

Business Line Crosslinkers
55, Chungong Road
Xinzhuang Industry Park
Shanghai, 201108
China

CL-Asiainfo@evonik.com

CL-Asiainfo@evonik.com

