

Product information

ANCAMINE[®] 2850

Curing Agent

DESCRIPTION

Ancamine[®] 2850 is a modified polyamine intended for use as a curing agent for diluted liquid epoxy resin at ambient and low temperature application. Ancamine[®] 2850 is free of nonyl phenol and benzyl alcohol, facilitating in low volatile organic component coating and flooring formulations.

TYPICAL PROPERTIES

| Property | Value | Unit | Method |
|-------------------------|---------------------|----------|--|
| Appearance | Clear yellow liquid | | |
| Colour | ≤5 | Gardner | ASTM D 1544 |
| Viscosity @ 25°C | 400-700 | cPs | Brookfield RVTD, Spindle 27 |
| Amine Value | 370-435 | mg KOH/g | Perchloric acid titration |
| Specific Gravity @ 21°C | 1.01 | | |
| Equivalent Wt{H} | 68-76 | | |
| Recommended Use Level | 35-40 | phr | Bisphenol A diglycidyl ether resin (EEW=197)/Epodi 748 (90:10) |

ADVANTAGES

- Moisture tolerant
- Ultra-fast cure at ambient and low temperature
- Adhesion to dry and damp concrete
- Excellent chemical resistance
- Nonyl phenol and benzyl alcohol free
- Low VOC and Emissions

APPLICATIONS

- Moisture vapor barrier
- ASTM F3010 certified (<0.1 perms)
- Protective coatings
- Industrial flooring applications

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® 2850 curing agent.

TYPICAL HANDLING PROPERTIES

| Property | Value | Unit | Method |
|----------------------------------|--------|--------------|---|
| Gel Time @ 25°C | 25-35 | min | Techne GT-3 Gelation Timer |
| Thin Film Set Time (23°C) | 3.0 | h | ASTM D 5895 - BK Drying Recorder, Phase 3, 60% RH |
| Thin Film Set Time (10°C) | 6.0 | h | ASTM D 5895 - BK Drying Recorder, Phase 3, 60% RH |
| Hardness Shore D @ 23°C (8h/24h) | 80/80 | | |
| Hardness Shore D @ 10°C (8h/24h) | 55/80 | | |
| Compressive Strength | 13,850 | psi | ASTM D 695-08 |
| Compressive Modulus | 325 | thousand psi | ASTM D 695-08 |
| Tensile Strength | 7,100 | psi | ASTM D 638-14 |
| Tensile Modulus | 550 | thousand psi | ASTM D 638-14 |
| Tensile Elongation @ Break | 1.5 | % | ASTM D 638-14 |

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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

