

Cardolite® GX-5135

Epoxy Curing Agent

Preliminary Technical Datasheet

Cardolite GX-5135 is an epoxy curing agent based on latest modified phenalkamine technology.

TYPICAL PROPERTIES

| PROPERTY | TYPICAL VALUE | TEST METHOD |
|--|---------------|---------------|
| Appearance | Yellow liquid | Visual |
| Color (Gardner) | ≤ 8 | ASTM D1544 |
| Viscosity @ 25°C (cPs) | 2,000 - 3,750 | ASTM D2196 |
| Amine Value (mg KOH/g) | 230 - 265 | ASTM D2074 |
| Theoretical Active Hydrogen Equivalent (AHEW) ¹ | 165 | Calculated |
| Solids (% by weight) | 78 - 82 | ASTM D2369-98 |
| Density @ 25°C (kg/L) (lbs/gal) | 0.98 8.16 | ASTM D1475 |
| Flash point | 32°C / 90°F | ASTM D93 |
| Recommended Use Level (phr, EEW 190) | 87 | - |

Typical properties are not to be construed as specifications

¹ Based on total product weight

CURE PROPERTIES

| | FORMULATION | TEST METHOD |
|--|-------------|-------------|
| Liquid Epoxy Resin (pbw, EEW 190) | 100 | |
| Cardolite GX-5135 (pbw) | 87 | |
| Mix viscosity @ 25°C (cPs) | 2,650 | |
| Gel time, 50 g @ 25°C (min) | 40 - 50 | NTM-15 |
| Thin film dry times, 8 mils (200 micron) | | |
| @ 25°C (77°F) (hrs hard/through) | 3 / 4 | ASTM D5895 |
| @ 5°C (41°F) (hrs hard/through) | 8 / 12 | ASTM D5895 |
| @ 0°C (32°F) (hrs hard/through) | 11 / 16 | ASTM D5895 |
| Film appearance @ 10°C, 92% RH | Clear | Visual |

REGULATORY STATUS

Please refer to the material safety data sheet (MSDS). Specific information regarding chemical inventory listing can be obtained from your local sales representative.

SAFETY PRECAUTIONS

Please refer to the material safety data sheet (MSDS). Copies of the MSDS can be requested on the Cardolite website or via your local sales representative.

STABILITY AND STORAGE

Cardolite products may absorb moisture and carbon dioxide when left in open containers, which could result in increased viscosity, discoloration, reduction of reactivity, and/or crystallization of the products. These products should be kept tightly sealed in their original containers when not in use, and stored in a cool, dry place.

CONTACT INFORMATION



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