Cardolite® LITE 2562
Epoxy Curing Agent
Technical Datasheet

DESCRIPTION

Cardolite LITE 2562 is 65% solids, light color, low viscosity, adducted phenalkamine curing agent designed for medium and high solids epoxy coating applications. This curing agent has very fast cure even at very low temperatures, and can provide excellent adhesion on difficult substrates, such as an inorganic zinc primer and degreased galvanized steel. Film quality of coatings using this curing agent is excellent, showing no blush even at low temperatures and high humidity. Like other Cardolite phenalkamines, this curing agent has good adhesion on wet or otherwise unprepared surfaces, and can provide outstanding water resistance and corrosion protection. This product's light wet color broadens the use of phenalkamines into tinted coating systems.

PROPERTIES

PROPERTY	SPECIFICATION	TEST METHOD
Color (Gardner)	≤ 10	ASTM D1544
Viscosity @ 25°C (cPs)	1,000 - 3,500	ASTM D2196
Amine Value (mg KOH/g)	150 - 210	ASTM D2074
Solids (% weight)	63 - 67	ASTM D2369-98

PROPERTY	TYPICAL VALUE	TEST METHOD
Appearance	Yellow liquid	Visual
Theoretical Active Hydrogen Equivalent (AHEW)[1]	174	Calculated
Density @ 25°C (kg/L) (lbs/gal)	0.95 - 0.97 7.95 - 8.15	ASTM D1475
Flash point	32°C / 90°F	ASTM D93
Recommended Use Level (phr, EEW 190)	100	-
Shelf Life (Months)	24	-

Typical properties are not to be construed as specifications
[1] Based on total product weight

APPLICATIONS

Cardolite LITE 2562 is suitable for fast curing medium and high solids surface tolerant marine, industrial, and protective coatings. This product's quick cure and good hardness make it ideal for applications requiring fast return to service or multiple coats over a short period of time. It can be used for coating applications under cold and humid conditions, even over damp and poorly prepared surfaces. Good flexibility and adhesion on various metal/primed substrates make this curing agent especially suitable for primers of marine, transportation, and general industrial equipment. Its ability to cure quickly over a wide temperature range, including below 0°C, combined with a good pot life at room temperature brings coatings based on this curing agent broad application latitude and good workability. Applications requiring good initial color will benefit from this product's light wet color.

ADVANTAGES

- Excellent combination of rapid cure and long pot life at both ambient and low (<5°C/40°F) temperatures
- Continues to chemically crosslink at very low temperatures (<0°C/32°F)
- Light wet color for broad color range and use in tinting systems
- Low viscosity for excellent workability
- Good adhesion to poorly prepared surfaces and difficult substrates
- Very good flexibility
- Good chemical resistance
- Compatible with most epoxy resins, solvents and their blends
- Excellent corrosion resistance and early water resistance
- Moisture tolerant and blush-free at extreme conditions
- Non-critical mix ratio and no induction time required
- Non-toxic
- Based from natural, renewable, non-food chain raw material feedstock

Cure Properties

	Formulation	Test Method
Liquid Epoxy Resin (pbw, EEW 190)	100	
Cardolite LITE 2562 (pbw)	100	
Mix viscosity @ 25°C (cPs)	1,485	
Gel time, 50 g @ 25°C (min)	100	NTM-15
Thin film dry times, 8 mils (200 micron)		
@ 25°C (77°F) (hrs hard/through)	2.5 / 5	ASTM D5895
@ 5°C (41°F) (hrs hard/through)	7.5 / 10.5	ASTM D5895
@ 0°C (32°F) (hrs hard/through)	11.5 / 19.5	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

Cardolite

http://www.cardolite.com

Cardolite Corporation
140 Wharton Road
Bristol, PA 19007
United States of America

T: +1-800-322-7365

Cardolite Specialty Chemicals Europe NV
Wijmenstraat 21K / 2
B-9030 Mariakerke (Gent)
Belgium

T: +32 (0) 92658826

Cardolite Specialty Chemicals India LLP
Plot No. IP-1 & IP-2, Mangalore Special Economic Zone
Bajpe, Mangalore 574 142
India

T: + 91 (0) 824 2888 300

Cardolite Chemical Zhuhai Ltd.
1248 Ninth Shihua Road
Gaolan Port Economic Zone
Zhuhai, Guangdong 519050
P.R. China

T: +86-756-726-9066

Disclaimer & Copyright