

LINQBOND ED-416CM



Two-component epoxy-based adhesive

- Strong adhesion to plastics, metals and electronic components
- Fast cure at room temperature
- RoHS compliant

LINQBOND ED-416CM is a two-component, rapid-curing epoxy adhesive that achieves initial handling strength in just 20 minutes, reducing working time and improving overall productivity. It is formulated to provide strong adhesion and resist grease, chemicals, and solvents. This makes it ideal for bonding and sealing various materials, including plastics, metals, and electronic components. **LINQBOND ED-416CM** is also fit for general-purpose applications that require ease of use and quick curing at room temperature.

Additionally, **LINQBOND ED-416CM** is easy to handle and mix, and it fully complies with environmental regulations, including the RoHS 2011/65/EU Directive.

Uncured Properties

Property	Part A	Part B	Unit
Appearance	Liquid, Milky	Liquid, Light yellow	–
Viscosity (25 °C)	100000–200000*	17000–32000**	cps
Thixotropic Index	3.25	3.9±0.2	–
Specific Gravity	1.16	1.11	–

*Spindle 14, 5 rpm, **Spindle 14, 10 rpm

Recommended Curing Conditions

Property	Value	Unit
Mixing Ratio (A:B)	1:1	by weight
Pot Life (25 °C)	3	min
Surface Drying Time (25 °C)	5–10	min
Through Cure Time (25 °C)	72–96	h

Instructions for Use

1. Make sure that the substrate is clean and free of contaminants, such as dirt, grease, or mold release agents. A simple solvent wipe is often sufficient.
2. Thoroughly mix the A and B components at a 1:1 weight ratio. Continue mixing for approximately 15 seconds after a uniform color is achieved.
3. Use the mixed adhesive within its designated pot life to maintain optimal performance. Avoid mixing large quantities at once.
4. For maximum bonding strength, apply the adhesive evenly to both surfaces to be joined.

CAPLINQ Europe
Industrieweg 15E,
1566JN Assendelft
The Netherlands
Phone: +31 (20) 893 2224
Email: info@caplinq.com

CAPLINQ Corporation
80 Sirocco Crescent
Ottawa ON, K2S 2C9
Canada
Phone: +1 (613) 482-2215
Email: info@caplinq.com



CAPLINQ Americas
36927 Schoolcraft Rd
Livonia, MI 48150
United states
Phone: +1 (313) 558-8243
Email: info@caplinq.com

CAPLINQ Malaysia
S-08-07 Persiaran Triangle
B Lepas, Penang 11900
Malaysia
Phone: +60(12)4302223
Email: info@caplinq.com

Cured Properties

Property	Value	Unit
Hardness	85	Shore D
Specific Heat (0 °C)	5.128	J/g · °C
Specific Heat (100 °C)	6.518	J/g · °C
Weight Loss Ratio (100 °C)	<0.5	%
Glass Transition Temperature (DSC)	40	°C
Coefficient of Thermal Expansion (CTE), α_2	223	ppm/°C
Specific Gravity	1.22	–
Surface Resistivity	5×10^{14}	Ω
Volume Resistivity	5×10^{15}	$\Omega \cdot \text{cm}$
Dielectric Constant (100 Hz)	4.1	–
Water Absorption Ratio (25 °C / 24 h)	1.26	%

Note: Sample was cured at 80 °C for 1 hour.

Caution for Use

While this product shows low carcinogenicity risk from skin contact, mild redness may occur; wash with soap and water, avoiding solvents. It is moderately toxic if ingested, requiring immediate medical attention. Flush eyes with water for 15 minutes and seek medical help if contact occurs. Consult the MSDS for comprehensive safety details.

Storage and Handling

Store the container in a cool, dark place, away from direct sunlight. Exposure to sunlight may cause the resin and hardener to yellow. Shelf life when stored at room temperature between 14 and 34 °C is 365 days (12 months). Keep the container sealed and prevent moisture contamination when not in use. This product contains mercaptan; be sure to replace the lid immediately after each use.

CAPLINQ Europe

Industrieweg 15E,
1566JN Assendelft
The Netherlands
Phone: +31 (20) 893 2224
Email: info@caplinq.com

CAPLINQ Corporation

80 Sirocco Crescent
Ottawa ON, K2S 2C9
Canada
Phone: +1 (613) 482-2215
Email: info@caplinq.com



CAPLINQ Americas

36927 Schoolcraft Rd
Livonia, MI 48150
United states
Phone: +1 (313) 558-8243
Email: info@caplinq.com

CAPLINQ Malaysia

S-08-07 Persiaran Triangle
B Lepas, Penang 11900
Malaysia
Phone: +60(12)4302223
Email: info@caplinq.com