

LINQBOND™ DA-8410R

Conductive Die Attach Paste



- Excellent adhesion and high reliability
- Low resin bleed out
- Stencil printable

LINQBOND™ DA-8410R is a one-component, silver-filled, conductive die attach adhesive. It provides excellent adhesion for Si die on various substrates and lead frame finishes, including Ag-plated surfaces, bare Cu, PPF, and ceramics. It offers minimal resin bleed-out, ensuring superior workability.

Engineered for high reliability, **LINQBOND™ DA-8410R** meets MSL3 to MSL1 standards and is ideal for IC die attach applications across industries such as consumer electronics, industrial automation, IoT, smart devices, automotive, military, and aerospace.

Cure Schedule

- 30 minutes ramp to 185 °C and hold for 90 minutes

Uncured properties

Property	Value	Unit
Chemistry	Modified Epoxy	–
Filler	Silver	–
Viscosity at 25 °C, 5 rpm	9250	cPs
Thixotropic Index (0.5/5 rpm)	6	–
Work Life at 25 °C	24	hours
Shelf Life at –40 °C	12	months

Cured properties*

Property	Value	Unit
Thermal Conductivity	20	W/m · K
Volume Resistivity	0.6×10^{-4}	$\Omega \cdot \text{cm}$
Glass Transition Temperature <i>T_g</i> by DMA	63	°C
Coefficient of Thermal Expansion (CTE) 1	35	ppm/°C
Coefficient of Thermal Expansion (CTE) 2	165	ppm/°C
Modulus by DMA	5211	MPa
Shear Strength* 2x2mm Si vs Ag at 25 °C	17	MPa
2x2mm Si vs Ag at 260 °C	1.7	MPa

* Above data was obtained based on our internal test methods and are intended for reference purpose only.

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

Curing Conditions

- 30 minutes ramp to 185 °C and hold for 90 minutes

These conditions serve as a reference only. Please establish the curing conditions based on the product's specific requirements.

Thawing Instructions

1. Remove the material from refrigeration and allow it to thaw completely before use.
2. Place syringes in a vertical position while thawing.
3. The thawing duration for a 5 cc to 10 cc syringe is 1 hour.
4. Store the thawed material in an airtight container at room temperature.

General Directions for Use

1. Do not refreeze the adhesive once it has been thawed to room temperature.
2. Wear appropriate protective equipment and minimize direct skin contact.
3. Refer to the Material Safety Data Sheet (SDS) before use for safety guidelines.

Storage and Handling

Store and transport at –40 °C. Keep away from fire and heat sources.

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