

LINQALLOY Sn42Bi57Ag1

138°C Eutectic Solder Paste

- Alloy Composition: Sn42Bi57Ag1
- Melting temperature: 138°C
- Powder size: T3 (25-45um) and T4 (20-38um)

LINQALLOY Sn42Bi57Ag1 is a low Eutectic temperature Solder paste. It meets the requirements of low temperature welding and is widely used in LED assembly, radiator welding, cell phone signal lines and other industries. It offers excellent appearance and soldering results.

LINQALLOY Sn42Bi57Ag1 has good spread and wetting properties on different materials. It has excellent fine pitch printing capabilities for SMT with no slumping and offers a long operational life.

Property	Value	Method
Flux Type	ROLO	J-STD-004B
Flux acid value	153 mg KOH/g	GB/T 9491-2002
Copper Mirror	PASS	JISZ3197:2012
Corrosion	PASS	JISZ3284
Collapsibility	PASS	IPC-TM-650 2.4.35
Expansion ratio	>75%	JIS Z 3197 8.3.1.1
Adhesive force	131gf	JISZ3284
SIR (40°C, 90-95%, 168H)	PASS	JISZ3284
Electrochemical migration	PASS	JISZ3284

Storage and Handling

Shelf life at 0-10°C is 6 months. The jar should be exposed to RT for 4 hours to avoid moisture absorption. The paste temperature should be 19°C before use and the printing temperature should not exceed 32°C. Ideal printing conditions are at 25°C at 40-60%RH.

You can manual mix it for 30-60sec without the need for a centrifugal mixer. If a mixer is used, use it for 30-60sec at 300rpm. Do not mix used with unused solder paste.

Europe

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

North America

957 Snowshoe Crescent
Orléans ON, K1C 2Y3
Canada
Phone: +1 (613) 482-2215
Email: info@caplinq.com



United States

847 Sumpter Road #5155
Detroit, MI 48111
United states
+1 (313) 558-8243
Email: info@caplinq.com

Asia

Minle Garden, Baoan dst
Shenzhen City - 51831
China
Phone: +861368608 1428
Email: info@caplinq.com

This product comes in 500g Jars and 10 and 30cc Syringes.

Jars

Jars are typically used for standard and ultra fine pitch, screen printing applications.
Standard screen thickness is 0.08 - 0.15mm and screen print can be between 25 and 100mm/s.

Syringe

Syringes can maintain a stable output for automatic and manual dispensing methods.
Recommended dispensing pressure is 0.05-0.06 MPa and dispensing frequency is 6-120 times/min.

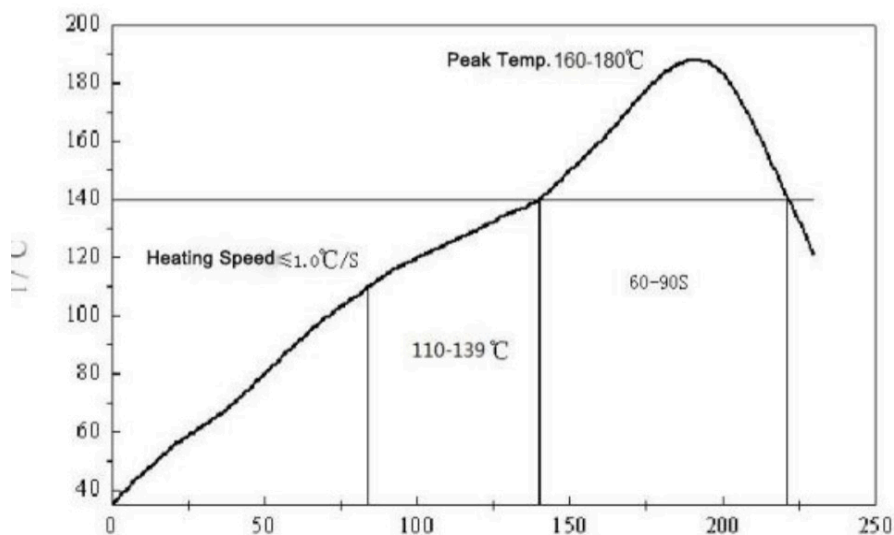
Needle Model	20	21	22	23	27
Inner diameter, mm	0.60	0.52	0.41	0.33	0.20

Soldering

In order to achieve the best welding results, the peak temperature should be 25-40°C higher than the alloy's liquidus (in our case eutectic) temperature.

Please refer to the supplier temperature tolerances of your components and circuit boards.

Reflow temperature profile:



Europe

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

North America

957 Snowshoe Crescent
Orléans ON, K1C 2Y3
Canada
Phone: +1 (613) 482-2215
Email: info@caplinq.com



United States

847 Sumpter Road #5155
Detroit, MI 48111
United States
+1 (313) 558-8243
Email: info@caplinq.com

Asia

Minle Garden, Baoan dst
Shenzhen City - 51831
China
Phone: +861368608 1428
Email: info@caplinq.com