

Silver Paste Ag 3902 – 82%



REFINING AND FINE CHEMICALS · THICK FILM DIVISION

Lead Free SILVER PASTE Rev 0

01/11/12

Feature:

- Antireflective Pb free silver paste
- Low resistance member of the system Ag 3902 / Ag 3903

Benefits:

- Wide window of compatibility with several black enamels
- Superior substrate wetting
- High chemical durability
- Good sinter properties

PROCESSING CONDITIONS

Printing: 200 – 250 mesh screen and 0.4 mm minimum line width are recommended.

Soldering: 47% Sn, 40% Pb, 10% Bi, 3% Ag solder at 230°C.

Shelf life: 8 months @ 4°-10°C, 6 months @ 10-24°C

Thinners: Thinning is not recommended, the paste is optimized to the correct viscosity for screen printing. Use the Chimet 0202 IT/0201IT to replace solvent losses, by contacting the local Chimet technician

TYPICAL PROPERTIES

Metal content:

Ag **82.0 %**

Resistivity:

25 mΩ · μm

Viscosity:

50 – 70 Pa.s

STANDARD TEST CONDITIONS

Viscosity test:

Viscosimeter Brookfield DV II, Cylinder $\varnothing = 4$ cm h = 7 cm, Spindle 7 R at 10 r.p.m. and 23.5 (± 0,5)°C.

Resistance test:

Circuit: 1000 x 1 mm

Printing : 250 mesh

Fired thickness: Taylor-Hobson profilometer

The information and data regarding the composition, properties, or use of the product described herein is believed to be reliable. However Chimet makes no expressed or implied warranty with respect there to except as made by Chimet in writing at the time of sale.

Chimet “Thick Film Division”. Via di Pescaiola 74, 52040 Vicinaggio (Arezzo) Italy . Tel +39 0575 441565 - Fax +39 0575 441424