

Silver Paste For Rear Tabbing Ag 2714 SC

Application: silver paste Ag 2714 SC is a lead free silver paste for rear tabbing. It combines low silver content (Ag=45%) with very good pull strength and excellent charge transfer from the backside to the ribbons. It allow low coverage for a minimum silver consumption of ~2mg/cm².

BENEFITS

- Low Ag content: 45%
- Low lay-down: 5.6±0.5mg/cm²
- Good Ag-Al interface for cell efficiency enhancement with different backside layouts
- Excellent solderability (≥2N/mm)
- Excellent printability
- Allow IR, induction and standard soldering processes
- Heavy metal free

STANDARD TEST CONDITIONS

Printing: typical industrial parameters: 230 – 300 mesh stainless steel screen, emulsion 4 – 15 µm thickness. Snap off 1.2 – 1.5 mm, speed 160 – 250 mm/s, force 60 – 80 N

Drying & Firing: compatible with standard industrial processes. Compatible with lead and lead free aluminium pastes.

Table 1. TYPICAL PROPERTIES

Viscosity

75–100Pa*s@10rpm

Solid content

49.85%±0.5%

Conductivity:

<8mΩ/□@10µm

Wet deposit (270 mesh):

4.6–5.6 mg/cm²

SHELF LIFE

Min. 6 months when properly stored in tightly closed containers at room temperature (< 25°C).

RECOMMENDATION

Before use please stir paste gently (to avoid air entrapment) with a spatula for homogenisation (30'' to 1'). Best conditions are achieved when a jar rolling is adopted. Keep paste at room temperature for 12h before opening container.

DISCLAIMER

The data published in this document come from experiments carried out in our laboratories and performed in conditions believed to be the most commonly accepted by the industry. It is the end-user's responsibility to check whether this product can be efficiently used in his specific process and under his specific industrial conditions which Chimet can neither control nor foresee. Chimet makes no warranties expressed or implied arising from the product use. Chimet specifically disclaims any liability for consequential or

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