

# 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/cm<sup>2</sup>.

## BENEFITS

- Low Ag content: 45%
- Low lay-down: 5.6±0.5mg/cm<sup>2</sup>
- 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/cm<sup>2</sup>

## 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

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