

Product Information Sheet



Low-Temperature Electrode Paste

ElectroSpense™ D-126 is a developmental silver electrode paste, designed specifically for firing at low temperatures.

Typical Properties	
Resistivity (mΩ/sq @ 1 mil) ¹	2-4
Fired Thickness (μm) ²	10-14
Viscosity (kcps) ³	25 ± 5
Peak Firing Temp (°C) ⁴	380-500
Time at Peak (min)	5-30
Adhesion ⁵	Pass

- (1) Resistivity dependent on peak firing temperature.
- (2) Wet thickness 46-49 μm.
- (3) Measured with Brookfield R/S Rheometer @ 9.6 s⁻¹, 25°C.
- (4) Air dried 3-4 minutes and 120°C for 10-15 minutes before firing.
- (5) Scotch tape adhesion test on F-doped Tin Oxide coated glass.

Processing Recommendations

Application: Syringe dispensed

Paste Storage & Shelf Life: The paste should be stored in tightly capped containers, in a cool, dry place away from direct sunlight. Properly stored material will have a shelf life in excess of 6 months.

Applications

ElectroSpense D-126 is suitable for use in metallization of rigid substrates where firing temperatures less than 500°C are required. Typical applications include bus electrodes for displays, heater electrodes and antennae.



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