

Conductive Silver Paste

AR-100A TH-10

Conductive Paste AR-100 ATH-10 is a single-component conductive material with uniform dispersion of thermosetting resin and high-purity fine silver powder. Because of its low viscosity product, it has good conductivity. It is suitable for PC board (copper foil) processing. Material for through holes) The material that can be connected, and good conductivity.

☆ STRENGTH

1. Contains medium-to-high boiling point solvents, printing workability and high film thickness formation, internal good drying.
2. The particle size of the silver powder and the binder resin are uniformly dispersed. Conductive Paste material will not precipitate or separate under the condition of the bottom viscosity.
3. Good adhesion to PC board (copper foil substrate). High hardness and good heat resistance.
4. Under control the particle size of the conductive silver powder and, with proper mixing, There has bottom impedance stable conductive film

☆ Major Characteristics

	AR-100A TH-10	
Appearance	Viscosity of silver gray colloid	Visual Inspection
Viscosity	50 ~ 80 dPa · s at 25°C	Viscotester VT-06F
Curing Conditions	150°C ~ 160°C × 30分	Box 乾燥機
Adhesion	100 / 100 Copper Foil	Cross Cut · Peeling
Hardner	≥ 3H (On copper foil)	Pencil Hardness Test
Solvent Test	No Peeling and No Dissolution	IPA
Resistance Value	≤ 50mΩ/□	Thickness/ 20um
Boiling Test	±20%	Boiling Test 1hr
Heat Resistance	No change color and No dissolution	260°C/5sec/ 3Times dipping

This above data are experimental values obtained at our labo, And no warranty is implied.

☆ Safety and Notes for Handling

- : Please use as original Paste is recommended. For dilution, please use the special thinner [Ethyl Carbitol Acetate].
- : Please stir enough before using and after mixing solvent. The coated surface of the basic material must be cleaned before use.
- : In the usage of printing screen 150 mesh or other .
- : For cleaning the screen could use a cellosolve or ester base solvent and other is Acetone.
- : In handling this product, please wear protective clothes as well as installing full ventilation system
- : Shelf life is 6 months(at under 25°C)(Not opening contition)

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