

## Product Specification

Product:	Conductive Silver Paste
Part Number:	01L-2211

### Application Scope :

The single-component conductor paste series is widely applicable in various fields including thin-film switches, flexible printed circuits, notebook keyboard circuits, mobile phone keyboard shielding lines, multilayer circuit printing, RF interference shielding, RFID, toy circuit printing, and contact printing. It can be used on substrates such as alumina ceramics, microcrystalline glass ceramics, PET, and PC, providing excellent conductivity and film adhesion. The product features good printability, oxidation resistance, flexibility, and strong adhesion. Its conductivity remains stable even after processing or bending during product use. It is suitable for both screen printing and spraying.

### Usage Conditions :

Substrate	Ceramic substrates, PET, polyester films, and other sheet materials
Usage Method	200-250 mesh screen printing
Leveling	Level at room temperature for 3-5 minutes (time adjusted based on actual leveling conditions)
Solidify	In an incubator at a constant temperature of 80-120°C for 8-30 minutes (For reference only. The actual baking temperature and time can be adjusted as needed.)
Thinner	ST-1001

### Characteristics :

#### 1. Paste Characteristics :

Characteristic	Standard	Test Method And Conditions
1 Fineness	$\leq 8\mu\text{m}$	FOG test
2 Viscosity	80-220Pa.s	Brookfield HBT (Boli Fei) viscometer, rotor model SC4-14/6R, operates at 10rpm and maintains a viscosity range of $25\pm 1^\circ\text{C}$ , with adjustable settings to meet user requirements.
3 Solid Content	70%	Silver, Glue

## 2. Characteristics After Curing :

Under the condition of 1 sintering, Check fired film produced under the conditions specified in 1 )

Characteristics		Standard	Test Method And Conditions
4	Resistivity	$\leq 30\text{m}\Omega/\square$	The cured film thickness is 8-20 $\mu\text{m}$ , and the test pattern size is 100mm*1mm.
5	Hardness	2H	Pencil hardness
6	Adhesion	Not fall off	3M 600#Tape 90°Pull

## Save Conditions And Validity Period :

The product shall be stored in a sealed container at an ambient temperature of 5-15°C, with a shelf life of six months from the date of shipment.

## Packaging Method :

Standard packaging, 1000g/can; samples are available in 200g small can packaging.