



Product Specification

Product:	Conductive Silver Paste
Part Number:	01L-2210

Application Scope :

The single-component conductor paste series is widely applicable in various fields, including thin-film switches, flexible printed circuits, laptop keyboard circuits, mobile phone keyboard shielding lines, multilayer circuit printing, RF interference shielding, RFID, toy circuit printing, learning machine circuit printing, and contact printing. It can be used on substrates such as alumina ceramics, microcrystalline glass ceramics, PET, and PC, offering excellent conductivity and film adhesion. The product features superior printing performance, 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 spray coating.

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 according to actual leveling conditions)	
Solidify	In an incubator, or continuous hot air (choose one of the following conditions)	
	80°C	60 minutes
	120°C	20 minutes
	150°C	10 minutes
	180°C	5 minutes
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 viscometer (rotor model SC4-14/6R), operating at 10rpm and $25\pm 1^\circ\text{C}$, with adjustable viscosity according to 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	$\leq 15\text{m}\Omega$ <input checked="" type="checkbox"/>	The cured film thickness is $8\text{-}20\mu\text{m}$, and the test pattern size is $100\text{mm}\times 1\text{mm}$.
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 $5\text{-}15^\circ\text{C}$, 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.