

Product Specification

Product:	Conductive Silver Paste
Part Number:	01H-4905

Application Scope :

This product is suitable for the use of tempered glass electrode.

Usage Conditions :

Substrate	General glass tempering
Printing	200-300 mesh screen printing
Leveling	Leveling at room temperature for 5-15 minutes (time adjusted according to actual leveling conditions).
Drying	Furnace drying at 100-150°C for 10-15 minutes (if the drying temperature is below 300°C, the drying time may be adjusted based on actual conditions.)
Firing Condition	1. Sintering in tunnel furnace under air atmosphere, peak temperature 600~750°C (recommended value), 9-11 minutes.(The sintering temperature range can be adjusted between 600-800°C as needed.) 2. The glass can be formed simultaneously with the tempering process.
Thinner	ST- 1000

Characteristics :

1. Paste Characteristics :

Characteristic	Standard	Test Method And Conditions
1 Fineness	$\leq 5\mu\text{m}$	FOG test
2 Viscosity	80-280Pa.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.

2. Characteristics After Curing :

Under the 1-sintering condition, the film thickness is 8-12 μm .

Check fired film produced under the conditions specified in 1) , (Film thickness is 8- 12 μm .)



Sryeo Electronic Paste Co., Ltd.

www.sryeo.com

sales@sryeo.com

Characteristics		Standard	Test Method And Conditions
3	Resistivity	$\leq 5\text{m}\Omega/\square$	Test pattern $0.6\text{mm} \times 60\text{mm}$
4	Adhesion Strength	$\geq 45.2\text{N}$	Peel Test: $0.5\text{mm}\phi$ Tin plated Cu wire soldered on $2\text{mm} \times 2\text{mm}$ Pad. Solder: 96.5Sn/0.5Cu Mildly activated flux used.

Save Conditions And Validity Period :

The product shall be stored in a sealed container at an ambient temperature of 5-25°C, with a shelf life of 1 year from the date of shipment.

Packaging Method :

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