

## Product Specification

Product:	<b>Conductive Silver Paste</b>
Part Number:	<b>01H-4905</b>

### 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	<ol style="list-style-type: none"> <li>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.)</li> <li>2. The glass can be formed simultaneously with the tempering process.</li> </ol>
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  $8-12 \mu\text{m}$ .

Check fired film produced under the conditions specified in 1) , (Film thickness is  $8-12 \mu\text{m}$ .)



Characteristics		Standard	Test Method And Conditions
3	Resistivity	$\leq 5\text{m}\Omega$ / <input type="checkbox"/>	Test pattern 0.6mm×60mm
4	Adhesion Strength	$\geq 45.2\text{N}$	Peel Test: 0.5mmφ Tin plated Cu wire soldered on 2mm×2mm 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.