



## Product Specification

Product:	<b>Conductive Silver Paste</b>
Part Number:	<b>01H-4205</b>

### Application Scope :

This product is suitable for use as electrodes in ceramic capacitor products.

### Usage Conditions :

Substrate	Ceramic capacitor
Printing	200-300 mesh screen printing
Leveling	Let it level at room temperature for 5-15 minutes (adjust time based on actual leveling conditions).
Drying	Bake in a ventilation oven at 100-150°C for 10-15 minutes (the test temperature should not exceed 300°C; the baking time may be adjusted based on actual conditions).
Firing Condition	The sintering temperature is 850°C (recommended value) and the sintering time is 10 minutes. The sintering range can be adjusted within 820-850°C as needed, but the peak temperature must be maintained for 10 minutes.
Thinner	ST-1000

### Characteristics :

P/N	Fineness (um)	Viscosity (pa.s)	Silver content (%)	Resistivity (mΩ/□)	Adhesion (N)
01H-4205	≤5	120-280	70-75	≤5	≥55

Standard	Test Method And Conditions
Fineness	FOG test
Viscosity	Brookfield HBT (Boli Fei) viscometer, rotor SC4-14/6R, 10 rpm, 25±1°C. The viscosity can be adjusted according to the actual needs of the user.
Resistivity	The sintering film thickness is 8-12um. Test graph 0.6mm×60mm



**Sryeo Electronic Paste Co., Ltd.**

[www.sryeo.com](http://www.sryeo.com)

[sales@sryeo.com](mailto:sales@sryeo.com)

Adhesion Strength	Peel Test: 0.5mm $\varphi$ Tin plated Cu wire soldered on 2mm×2mm Pad. Solder: 96.5Sn/0.5Cu Mildly activated flux used.
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**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.