

## Product Specification

Product:	Conductive Silver Paste
Part Number:	01H-3303

### Application Scope :

This product is designed for use as electrodes in NTC thermistor products.

### Usage Conditions :

Substrate	NTC thermistor ceramic
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 (if the baking temperature is below 300°C, the baking time may be adjusted according to actual conditions).
Firing Condition	The sintering temperature is 850±10°C (recommended value) for 10 minutes in the atmosphere of tunnel furnace. The sintering range can be adjusted within 800-850°C as needed, but the peak temperature must be maintained for 10 minutes.
Thinner	ST-1000

### Characteristics :

#### 1. Paste Characteristics :

Characteristic	Standard	Test Method And Conditions
1 Fineness	≤5μm	FOG test
2 Viscosity	120-280Pa.s	Brookfield HBT (Boli Fei) viscometer, rotor model SC4-14/6R, operating at 10rpm and 25±1°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 8-12μm.)



## Sryeo Electronic Paste Co., Ltd.

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

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

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