
Product Specification

Product:	**Conductive Gold Paste**
Part Number:	**54H-1803**

Application Scope :

This product is suitable for alumina ceramic products, sensors, and other electrodes.

Usage Conditions :

Substrate	Alumina ceramic
Printing	200-300 mesh screen printing
Leveling	Level at room temperature for 5-15 minutes (depending on the actual leveling time).
Drying	Bake in an oven at 100-150°C for 10-15 minutes (if the test temperature is below 300°C, adjust the baking time according to actual conditions).
Firing Condition	Sintering in a tunnel furnace under air atmosphere at a peak temperature of 850±10°C (recommended value) for 9-11 minutes. (The sintering range can be adjusted within 830-850°C according to actual needs, but the peak temperature time must be 10 minutes.)
Thinner	ST-1000

Characteristics :

1. Paste Characteristics :

Characteristic		Standard	Test Method And Conditions
1	Fineness	≤5μm	FOG test
2	Viscosity	130-280Pa.s	Brookfield HBT viscometer (Rotor SC4-14/6R), 10 rpm, with viscosity adjustable to 25±1°C according to user requirements.

2. Characteristics After Curing :

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

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

Characteristics		Standard	Test Method And Conditions
3	Resistivity	≤6mΩ/□	Test pattern 0.6mm×60mm
4	Adhesion		Peel Test: 0.5mmφ Tin plated Cu wire soldered on 2mm×2mm Pad. Solder: 96.5Sn/0.5Cu Mildly activated flux used.
	Initial Adhesion	≥45.2N	
	Ageing Adhesion	≥32N	Aging conditions: 150°C,24 hours

Save Conditions And Validity Period :

The product should be stored in a sealed environment at 5-25°C. The shelf life is 1 year from the date of shipment.

Packaging Method :

Standard packaging: 1000g per can. Samples are available in 200g small cans.