



Product Specification

Product:	Conductive Silver Paste
Part Number:	01M-0705

Application Scope :

This product is suitable for use with heating plate electrodes such as microcrystalline glass.

Usage Conditions :

Substrate	Glass ceramics
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	Sintering in a tunnel furnace with air atmosphere, peak temperature 550-600°C (recommended value), 9-11 minutes.
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 (Boli Fei) viscometer, rotor model SC4-14/6R, operating at 10 rpm, with viscosity adjustable to $25\pm 1^\circ\text{C}$ 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 .)

Characteristics	Standard	Test Method And Conditions
3 Resistivity	$\leq 5\text{m}\Omega/\square$	Test pattern 0.6mm×60mm



4	Adhesion Strength		Peel Test: 0.5mm φ Tin plated Cu wire soldered on 2mm×2mm Pad. Solder: 96.5Sn/0.5Cu Mildly activated flux used.
	Initial Adhesion	\geq 41.3N	
	Ageing Adhesion	\geq 21.6N	Aging conditions: 150°C, 24 hours

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.