

Product Specification

Product:	Weld Wire Conductive Silver Paste
Part Number:	01H-6301

Application Scope :

This product is suitable for electronic components such as heating elements, thick-film circuits, ceramics, and glass that require lead wires and high-temperature resistance, with a maximum temperature tolerance of 800°C.

Usage Conditions :

Substrate	Ceramic and glass circuitry and electronic components
Adhesive And Dispense	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 is carried out in the atmosphere of furnace tunnel, the maximum temperature is 600~900°C (recommended value), and the sintering time is 10 minutes.
Thinner	ST-1000

Characteristics :

1. Paste Characteristics :

Characteristic	Standard	Test Method And Conditions
1 Fineness	≤5μm	FOG test
2 Viscosity	200-580Pa.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.
3 Solid Content	85~95%	

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	$\leq 3\text{m}\Omega/\square$	Test pattern 0.6mm \times 60mm
4 Adhesion Strength		Peel Test: 0.5mm ϕ Tin plated Cu wire soldered on 2mm \times 2mm Pad. Solder: 96.5Sn/0.5Cu Mildly activated flux used.
Initial Adhesion	$\geq 45.2\text{N}$	

Save Conditions And Validity Period :

The product shall be stored in a sealed container at an ambient temperature of 5-25°C. The shelf life is 1 year from the production date and 3 months from the date of opening the package. The number of stirring operations does not affect the performance of the silver paste.

Packaging Method :

Standard packaging, 1000g/can; samples are available in 200g small can packaging.

