



Product Specification

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| Product: | Conductive Silver Paste |
| Part Number: | 01H-1905 |

Application Scope :

This product is suitable for dielectric ceramic antenna, dielectric filter ceramic, etc.

Usage Conditions :

| | |
|------------------|---|
| Substrate | Dielectric ceramic filter, dielectric filter, etc. |
| 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 | Dry in a ventilation oven at 100-150°C for 10-15 minutes (if the drying temperature is below 300°C, the drying 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 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 | $\leq 5\mu\text{m}$ | FOG test |
| 2 Viscosity | 80-280Pa.s | Brookfield HBT (Boli Fei) viscometer, rotor SC4-14/6R, 10 rpm, with adjustable viscosity at $25\pm 1^\circ\text{C}$ 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 | $\leq 7\text{m}\Omega/\square$ | 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 | $\geq 43.6\text{N}$ | |
| | Ageing Adhesion | $\geq 23.6\text{N}$ | 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

Sample size: 200 g/can