

Product Specification

Product:	Silver paste
Part number:	01H-1803

Application Scope :

This product is suitable for alumina ceramic electrode.

Usage conditions:

Substrate	Alumina ceramic
Printing	200-300 mesh stainless screen
Leveling	Leveling at room temperature for 5-15 minutes (the time depends on the actual leveling condition).
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 accordingly).
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 780-850°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	80-280Pa.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:

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	≤5mΩ/ □	Test pattern 0.6mm×60mm



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4	Adhesion strength	≥45.2N	Peel Test: 0.5mmφ Tin plated Cu wire soldered on 2mm×2mm Pad. Solder: 96.5Sn/0.5Cu Mildly activated flux used.
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Save conditions and validity period :

The product shall be guaranteed for 1 year after shipping date, keep tightly under at 5-25°C

Packaging method:

Standard package: 1000g/can

Sample package: 200g/can