



Product Specification

Product:	Silver-Palladium Paste/ Ag/Pd Paste
Part Number:	02H-1815

Application Scope :

This product is suitable for high-temperature thick-film circuits and LTCC ceramic printed electrodes.

Usage Conditions :

Substrate	Alumina 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 &Sintering	<p>① Single-layer printing (Alumina plate) Furnace drying at 100-150°C for 10-15 minutes The sintering temperature is 850°C (recommended value) and the sintering time is 10 minutes.</p> <p>② Multilayer printing (Alumina green porcelain) Remove the adhesive at a temperature range of 200-500°C for a minimum of 60 minutes. The sintering temperature is 850°C (recommended value) and the sintering time is 2-10 hours. The sintering temperature may be increased as needed, but it should generally not exceed 1050°C.</p>
Thinner	ST-1000

Characteristics :

1. Paste Characteristics :

Characteristic	Standard	Test Method And Conditions
1 Fineness	$\leq 5\mu\text{m}$	FOG test
2 Viscosity	130-280Pa.s	Brookfield HBT (Boli Fei) viscometer, rotor model SC4-14/6R, operating at 10rpm and $25\pm 1^\circ\text{C}$, with adjustable viscosity 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	$\leq 20\text{m}\Omega/\square$	Test pattern 0.6mm×60mm
4	Adhesion Strength		Peel Test: 0.5mmφ Tin plated Cu wire soldered on 2mm×2mm Pad. Solder: 96.5Sn/0.5Cu Mildly activated flux used.
	Initial Adhesion	$\geq 43.2\text{N}$	
Ageing Adhesion		$\geq 24\text{N}$	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; samples are available in 200g small can packaging.