

Product Specification

Product:	Palladium Paste
Part Number:	60H-0203

Application Scope :

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

Usage Conditions :

Substrate	Alumina ceramic
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	① Single layer printing (Alumina ceramic) Sintering at 100-150°C for 10-15 minutes in a tunnel furnace with an air atmosphere, with a peak temperature of 850°C (recommended), for 10 minutes.
	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 1400°C.
Thinner	ST-1000

Characteristics :

1. Paste Characteristics :

Characteristic	Standard	Test Method And Conditions
1 Fineness	≤5μm	FOG test
2 Viscosity	130-280Pa.s	Brookfield HBT (Boli Fei) viscometer, rotor SC4-14/6R, operating at 10 rpm, with viscosity adjustable to 25±1°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	$\leq 150\text{m}\Omega/\square$	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	$\geq 33.2\text{N}$	
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.