



## Product Specification

Product:	<b>Silver-Palladium Paste/ Ag/Pd Paste</b>
Part Number:	<b>02M-1800</b>

### Application Scope :

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

### Usage Conditions :

Substrate	Alumina ceramics
Printing	200-350 mesh screen printing
Leveling	Let it level at room temperature for 5-15 minutes (adjust time based on actual leveling conditions).
Drying &Sintering	Single-layer printing (Alumina plate) Furnace drying at 100-150°C for 10-15 minutes The sintering temperature is 600°C (recommended value) and the time is 10~30 minutes.
Thinner	ST-1000

### Characteristics :

	02M-1803	02M-1805	02M-1810	02M-1815	02M-1820	02M-1830
Fineness (um)	≤5	≤5	≤5	≤5	≤5	≤5
Viscosity (pa.s)	120-180	120-180	120-180	120-180	120-180	120-180
Pd content (%)	~3%	~5%	~10%	~15%	~20%	~30%
Resistivity (mΩ/□)	≤3	≤5	≤7	≤10	≤15	≤20
Adhesion (N)	≥55	≥55	≥55	≥55	≥55	≥55

### 1. Paste Characteristics :

Standard	Test Method And Conditions
Fineness	FOG test
Viscosity	Brookfield HBT (Boli Fei) viscometer, rotor SC4-14/6R, operating at 10 rpm, with viscosity adjustable to 25±1°C according to user requirements.



Resistivity	The sintered film thickness is 8-12um. Test graph 0.6mm×60mm
Adhesion Strength	Peel Test: 0.5mm $\varphi$ Tin plated Cu wire soldered on 2mm×2mm Pad. Solder: 96.5Sn/0.5Cu Mildly activated flux used.

### 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.