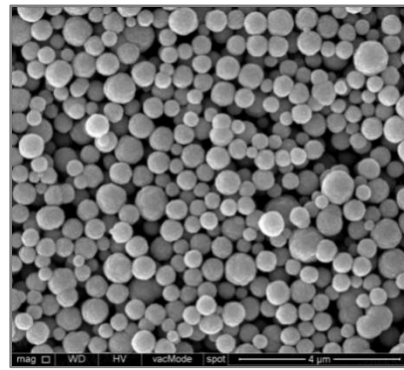


## ■ Pd/Ag Internal Electrode Pastes For Chip Components

### ◆ Features

- \* A gray-black paste-like fluid, mainly composed of palladium silver powder, resin and solvent. It does not contain harmful substances such as lead, cadmium, chromium, etc, and meets the environmental protection requirements of RoHS.
- \* Excellent dispersion performance without agglomeration.
- \* The printed electrodes are smooth and flat, with uniform thickness and good continuity.
- \* Good match with ceramic shrinkage.

### ◆ Product Picture And Internal Palladium Silver Electron Microscope



### ◆ Physical Properties

Type	Solid content (%)	Solid content (%) (Ag/Pd)	Viscosity (Pa·S)	F.O.G (The second line/90%)	Applicability
E-1150	54.0±1.5	0/100	10.0~30.0	≤ (6.0μm /5.0μm)	2525 and above specifications
E-2360BT	60.5±0.5	70/30	16.0~19.0	≤ (6.0μm /5.0μm)	C0G ceramic material, 0603 and above specifications products
E-2369BT	60.0±0.5	70/30	15.5~18.5	≤ (6.0μm /5.0μm)	C0G ceramic material, 0603 and above specifications products
E-2369ET	52.5±1.0	70/30	12.5~14.5	≤ (6.0μm /5.0μm)	X7R, C0G ceramic material, 0603 and above specifications products
E-2255	55.0±1.0	80/20	12.0~15.0	≤ (6.0μm /5.0μm)	C0G ceramic material, 0603 and above specifications products
E-2246	51.0±1.0	85/15	10.0~12.0	≤ (6.0μm /5.0μm)	Y5V, X7R ceramic material, 0603 and above specifications products
E-2160S	60.0±1.0	90/10	12.0~14.0	≤ (6.0μm /5.0μm)	Y5V ceramic material, 0603 and above specifications products
E-2160H	60.0±1.0	90/10	19.0~23.0	≤ (6.0μm /5.0μm)	Y5V ceramic material, 0603 and above specifications products
E-20560	60.0±1.0	95/5	15.0~25.0	≤ (6.0μm /5.0μm)	C0G ceramic material, 0603 and above specifications products
E-20260	64.5±1.0	95/5	30.0~35.0	≤ (6.0μm /5.0μm)	C0G ceramic material, 0603 and above specifications products

Type	Solid content (%)	Solid content (%) (Ag/Pd)	Viscosity (Pa·S)	F.O.G (The second line/90%)	Applicability
E-2160DG	60.0±1.0	90/10	12.0~14.0	≤ (6.0μm /5.0μm)	Chip varistor internalpaste
E-2369EH	52.5±1.0	70/30	25.0~31.0	≤ (6.0μm /5.0μm)	Chip varistor internalpaste
E-2355EH	56.5±1.0	70/30	25.0-35.0	≤ (6.0μm /5.0μm)	Chip varistor internalpaste
E-20563	63.0±1.0	95/5	23.0~29.0	≤ (6.0μm /5.0μm)	Chip varistor internalpaste
E-2369GY	60.0±1.5	70/30	55.0~75.0	≤ (6.0μm /5.0μm)	Chip piezoelectric ceramic actuator internalpaste

(\*The viscosity test condition is Brookfield HBDV-II +,CP52, 25±0.5°C, 10rpm)

### ◆ Product Features

\* In 1998, the Electronic Engineering company took the lead in realizing the industrialization of palladium-silver electrode paste matching PME-MLCC materials in China. The key material used for the paste Pd/Ag metal powder is self-made by our company. We can also customize the paste with different Pd/Ag ratio according to customer's requirements.

### ◆ Recommended Processes

- \* Mixing: slow stirring before use.
- \* Screen printing: 325 ~ 500 mesh stainless steel screen or nylon screen, the electrode thickness after sintering is 1 ~ 5μm.
- \* Sintering: recommended peak temperature and holding time:

Type	Sintering temperature range (°C)	Holding time (hr)
E-1150	1445±75	3
E-2360BT	1120±30	3
E-2369BT	1120±30	3
E-2369ET	1120±30	3
E-2255	1030±30	3
E-2246	990±30	3
E-2160S	950±50	3
E-2160H	950±50	3
E-20260	890±30	3
E-20560	930±30	3
E-2160DG	950±30	3
E-2369EH	1120±30	3
E-2355EH	1120±30	3
E-20563	930±30	3
E-2369GY	1120±30	3

- \* Cleaning: absolute ethanol.
- \* Storage: keep in a shade and cool place without freezing, the best temperature:18~25°C.
- \* Expiry date: 9 months (stored below 25°C).
- \* Package: 500g/bottle, 1000g/bottle or 2000g/ bottle.