

Pt

PRODUCT FEATURES

- ✓ Good Printability
- ✓ Good transparency
- ✓ High catalytic activity
- ✓ Low temperature Curing
- ✓ Good screen resistance time

P CONDUCTIVE PLATINUM PASTE



Product Description

Conductive Platinum Paste are used throughout the world in demanding applications including various electronics and sensor applications such as biomedical blood gas sensors, automotive sensors and high reliability hybrid integrated circuits. Platinum ink is an excellent conductor of current, which makes it a very useful contact paste. Pt ink is also more suitable for higher temperature applications.



Pt CONDUCTIVE PLATINUM PASTE

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Quick Facts

CAS	:	7440-06-4
Purity	:	99.9%
APS	:	80-100nm
Appearance	:	Gray Semi-Solid Paste

PROPERTIES

Viscosity 2500-4500 mPa

Resistance $\leq 20 \text{ M}\Omega/\text{Sq}$

Adhesion $\geq 12 \text{ N}$

Screen Mesh/Emulsion 200-325 Mesh/5 μm

Peak Firing Temperature $1350 \pm 10^\circ\text{C}$

Time at Peak 30 Minutes

Adhesion Non scratch able, add 2% of ECA by volume (little by little)

Storage Temp. Room temperature (20°C)

Application

- ✓ Highly transparent layer with high electrocatalytic activity.
- ✓ Using a screen printer
- ✓ Providing films with excellent uniformity
- ✓ Performance and reproducibility
- ✓ used for dssc polot production.
- ✓ Used for brush painting, spin-coating or spraying

To avoid premature solvent evaporation and lower risks of screen blockage the paste should be print-flood processed.

CLEAN-UP

Clean the equipment by alcohol such as propanol or our thinner.

STORAGE AND shelf-life

These products should be stored in tightly sealed containers at $10 - 25^\circ\text{C}$, in a dry place away from direct sunlight. The shelf life of a factory sealed container is a minimum 24 months from date of shipment when properly stored.

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