LP11-4493 is a Pb free fritted platinum paste, which fires to pure metal surface. This material is particularly suited for poorly controlled firing atmospheres and profiles.

Key Benefits
- REACH\(^1\) and ROHS\(^2\) compliant
- Chemically resistant
- Can be used on alumina, zirconia or titania bodies

Typical Properties
- Resistivity ≤ 50 mΩ\(\square\) at 12 µm fired film thickness
- HTCR / CTCR (ppm/°C) < 3400 / < 3600

Adhesion
- 80 x 80 mil pad on alumina at 950 °C
  - Sn62/Pb36/Ag2 at 235 °C, RMA flux
  - Initial: > 1.5 lbs
  - 100 Hrs. at 150 °C ≥ 2.0 lbs
  - Sn10/Pb88/Ag2 at 365 °C, RMA flux
  - Initial: > 4.0 lbs
  - 100 Hrs. at 150 °C ≥ 4.0 lbs

Solderability
- Sn62/Pb36/Ag2 at 235 °C and Sn10/Pb88/Ag2 at 365 °C,
  5 sec. dip, RMA flux, 80 x 80 mil pad
  > 85 %

Solder Leaching
- Sn62/Pb36/Ag2 at 235 °C and Sn10/Pb88/Ag2 at 365 °C,
  RMA flux, 80 x 80 mil pad
  > 20 % loss after 6 x 10 sec. dips

Viscosity
- 5.5 – 10.3 Kcps, Paar physica cone and plate at 300/s, 25 °C

Solids
- 85.25 ± 0.25 %
Technical Data Sheet

Platinum Conductor

Legend:

1) REACH compliant according to the latest ** Annex XIV to Regulation (EC) of the European Parliament and of the council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (“REACH”) by European Chemicals Agency and its subsequent amendments; the material does not contain any substance listed in Annex XIV.

2) RoHS compliant according to the latest ** Directives (European Union) of Restriction of Hazardous Substances ("RoHS") and its subsequent amendments (including the exceptions related to Pb).

* See the data sheet issue date (DD/MM/YY) as reference of validity of latest edition which is available on request.