

Product Data Sheet

solutions for automotive glass

SAP: 1325389

GSSP SP 1965 DRM2KG

Lead free silver composition for metallization of glass and ceramic

1. Technical Data

- 1.1 Ag-content: (88.0 ± 0.3) %
- 1.2 Firing residue: (91.0 ± 0.5) %
- 1.3 Sheet resistance: Approx. 2.9 mΩ per square at 8 μm fixed thickness after firing
- 1.4 Specific resistance: Approx. 0.0235 Ωmm²/m, fired at 670 °C, 150 s
- 1.5 Viscosity: 12.5 Pas at a shear rate of 20s⁻¹, measured by the plate cone system of PHYSICA MC10, 20 °C. Customer specific viscosity's and methods of measurement are possible.

2. Working conditions

- 2.1 Thinning: The paste is delivered in printing viscosity. Thinning is not recommendable. If a thinner is necessary for slight viscosity changes we recommend product no. 80 8006.
- 2.2 Mixing: The electrical resistance of the printed and fired layer can be changed by mixing of two pastes with different silver content or resistance.
- 2.3 Processing: It is necessary to stir up the paste well before processing. We recommend pneumatic or electric stirrers.
 - Printing: 175 - 240 mesh per inch, stainless steel, polyester or Nylon screen
 - Drying: 5 - 10 min at 120 - 150 °C, infrared or convection dryer
 - Firing: 600 - 700 °C furnace temperature and 2 - 4 min peak time

3. Shelf life and storage conditions

We guarantee a shelf life of one year when stored in original closed container at a temperature range approx. 4 - 25 °C.