

### **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:  $(88.0 \pm 0.3)$  %  $(91.0 \pm 0.5)$  % 1.2 Firing residue:

Approx. 2.9 m $\Omega$  per square at 8 µm fixed thickness after firing 1.3 Sheet resistance:

Approx.  $0.0235 \Omega mm^2/m$ , fired at 670 °C, 150 s 1.4 Specific resistance:

12.5 Pas at a shear rate of  $20s^{-1}$ , measured by the plate cone system of PHYSICA MC10, 20  $^{\circ}$ C. Customer specific viscosity's 1.5 Viscosity:

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

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.



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