

High Performance Silver Paste

AGG3304

Description:

High Performance Silver Paste is a dispersion of 20µm silver flakes in an inorganic silicate aqueous solution. It is specially formulated for applications demanding high continuous service temperature and/or low VOC's for high vacuum applications but it also performs at cryogenic temperatures. It provides both high electrical and thermal conductivity. Its sheet resistance is 0.08 ohms/sq/mil (25&m). Its thermal conductivity is 9.1 W/m[°]K. Surfaces to be coated should be clean and dry

Advantages:

- One component system. - No mixing required.
- Inorganic system – no hydrocarbons no VOC's.
- High service temperature. - Up to 927 °C (1700 °F), strength improves with temperature.
- Low temperature capability. - Not effected by cryogenic temperatures but bond integrity will depend on joint design and differential thermal expansion between substrate, sample, and paste.
- Electrically and thermally conductive.
- Suitable for high vacuum applications.
- Refrigeration not required.
- High viscosity paste - viscosity can be reduced by adding water.
- Water soluble after cure - solubility is reduced the higher the temperature it is exposed to.