

Micromax™ 7775

Microcircuit and Component Materials

Silver Conductive Polymer Paste

Micromax™ 7775 is a silver conductive paste developed primarily as a tantalum capacitor coating. This composition utilizes a thermoplastic resin and can be used in other dipping applications. Micromax™ 7775 provides low ESR for the conductive polymer tantalum capacitors with small case sizes recommended.

Product Benefits

- Excellent dipping conformation with one shot dipping
- Uniform thin thickness at chip corners
- Good paste stability without separation after solvent dilution
- Low cure temperature.

Product information

Solvent or thinner

Solid content

[1]: 750°C Wt.

Micromax™ 8225

56 - 59^[1] %

Rheological properties

Viscosity

[2]: Brookfield RVT, UC&S, 10 rpm

5 - 30^[2] Pa.s

Application technique

Drying time

Drying temperature

[3]: box oven

60^[3] min

160^[3] °C

Electrical properties

Surface resistivity

0 - 0.02 mOhm per square

Storage and stability

Shelf life

[4]: in unopened containers, from date of shipment, at temperature <25° C

3^[4] months

Additional information

How to use

Processing

• Thinning

- Use the Micromax™ recommended thinner for the adjustments to

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viscosity or to replace evaporation losses. The use of non-recommended thinner may affect the rheological behavior of the material and its printing characteristics. Recommended thinning ration is 20-30 out of 100.

- **Drying**

- Allow prints to level at room temperature, then dry in a well ventilated oven at 160 °C for 60 minutes or conveyor dryer/IR dryer with other condition less than 200 °C. Drying with high temperature oven/dryer may affect binder's quality in the product.

Properties

- Information in this datasheet shows anticipated typical physical properties for Micromax™ 7775 based on specific controlled experiments in our labs and are not intended to represent the product specifications, details of which are available upon request.

Storage and shelf life

Containers should be stored, tightly sealed, in a clean, stable environment at room temperature (<25 °C). Shelf life of material in unopened containers is three months from date of shipment. Some settling of solids may occur and compositions should be thoroughly mixed prior to use.

Safety and handling

For safety and handling information pertaining to this product, read Safety Data Sheet (SDS).