

Micromax™ 7095

Electronic Inks and Pastes

Silver Conductor

Micromax™ 7095 is a low temperature air firing silver composition. Interconnection to Micromax™ 7095 may be achieved by soldering. High adhesion to PZT, quartz and glass substrates.

Product benefits

- Low firing temperature
- High adhesion
- Solderable

Product information

Solvent or thinner	Micromax™ 8250
Silver content	65 %

Rheological properties

Viscosity	80 - 109 ^[1] Pa.s
[1]: Brookfield HBT, 10 rpm, 25°C	

Application technique

Mask mesh	200 - 325
Drying time	15 min
Drying temperature	150 °C

Storage and stability

Shelf life	6 ^[2] months
[2]: in unopened containers, from date of shipment, at temperature <25°C	

Additional information

How to use

Processing

- **Applications**
 - Screen print using 200 to 325 mesh stainless screen, with a squeegee durometer of 60 to 80.
- **Substrates**
 - PZT, quartz, glass
- **Thinning**
 - Paste should not need adjusting prior to use (stirring recommended). Micromax™ 8250 may be added, with thorough blending, to replace solvent losses or to make slight adjustments

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in screen printing properties.

- **Drying**
 - Allow leveling
 - Dry 15 minutes at 150°C
- **Firing**
 - 540-590 °C peak, timing at peak and the profile needs to be optimized based on the composition of the substrate.

Properties

- Information in this datasheet shows anticipated typical physical properties for Micromax™ 7095 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 six 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 the Material Safety Data Sheet (MSDS).