

Micromax™ 5262L

Electronic Inks & Pastes

PRODUCT DESCRIPTION

Silver Conductor

Micromax™ 5262L is a Ag conductive ink suitable for low temperature termination of tantalum capacitor cathodes. Typical applications include consumer A/V and telecommunications.

Product benefits

- Excellent electrical and mechanical stability
- High temperature stability, low ESR
- High volumetric efficiency
- Good coverage and consistent thickness around component
- Cadmium, Lead, Nickel and Phthalate free*

*Cadmium, Lead, Nickel and Phthalate 'free' as used herein means that cadmium, lead, nickel, and phthalate are not intentional ingredients in and are not intentionally added to the referenced product. Trace amounts however may be present.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

PRODUCT INFORMATION

General Properties	Value Unit
Application	Tantalum capacitor
Solvent or thinner	Micromax™ 8459
Solid content ¹	51 to 55 %

TECHNICAL DATA

Rheological Properties	Value Unit
Viscosity ²	0.65 to 0.85 Pa.s

Application Technique	Value Unit
Drying time ³	10 min
Drying temperature ⁴	80 to 120 °C

Electrical Properties	Value Unit
Resistivity ⁵	≤40 mOhm per square

Storage and Stability	Value Unit
Shelf life ⁶	6 months

¹750°C

²Brookfield LVT, #2 spindle, 12 rpm, 25°C

³pre-drying

⁴pre-drying

⁵at 25.4µm

⁶in unopened containers, from date of shipment, stable environment at room temperature between 5°C - 30°C

PROCESSING GUIDELINES

Substrates

Tantalum

Paste prep

Jar rolling for a minimum 8 hours at 1-3 RPM to ensure homogeneity of the paste prior to use is recommended.

Drying

Air dry for 15 minutes prior to curing. Optimization of drying conditions in the customer's process is recommended.

Pre-drying: 80-120°C for a minimum of 10 minutes.

Curing

Curing: >200°C (minimum of 20 minutes); >220°C (minimum of 10 minutes).

Post-curing in static oven: 180-220°C (+/-10°C) for 2 hrs.

Properties

Information in this datasheet shows anticipated typical physical properties for Micromax™ 5262L based on specific controlled experiments in our labs and are not intended to represent the product specifications, details of which are available upon request. Electrical properties are based on tests conducted on glass slides.

Storage and shelf life

Containers should be stored, tightly sealed, in a clean, stable environment at room temperature between 5°C - 30°C. Shelf life of material in unopened containers is 6 months from date of shipment. Some settling of solids may occur and compositions should be thoroughly mixed prior to use.

Storage conditions on the product data sheets are intended to represent long-term material storage recommendations and not a shipping or temperature-at-receipt requirement.

Transportation: Under normal shipping conditions, without temperature control, Micromax™ products are not expected to exhibit a change in quality or fitness for use. Should extraordinary events result in extended transportation periods, Micromax™ recommends customers confirm products remain suitable for the intended application.

Safety and handling

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

SAFETY & WARNING

It is recommended that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use.

Safety Data Sheets are available.

WASTE TREATMENT

Prior to using any recommendations or suggestions for waste treatment, the user is required to know the appropriate local/state/federal regulations for on-site or off-site treatment which may require permits. If there is any conflict regarding our recommendations, local/state/federal regulations take precedence.

CONTACT INFORMATION

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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE. Emergency safety directory assistance: US 1 202 464 2554, Europe + 44 1235 239 670, Asia + 65 3158 1074, Brazil 0800 707 7022 and 0800 172 020, Mexico 01800 002 1400 and (55) 5559 1588

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