

Micromax™ 3571

Electronic Inks & Pastes

PRODUCT DESCRIPTION

Blend Member/Dielectric

Polymeric composition Micromax™ 3571 may be used as a blend member with Micromax™ 7082M and Micromax™ 7102 to achieve higher resistance values than Micromax™ 7082M or Micromax™ 7102 alone.

Product benefits

- Blendable with Micromax™ 7102 and Micromax™ 7082M carbon conductors

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

PRODUCT INFORMATION

General Properties	Value	Unit
Application	Membrane switch dielectric	
Solvent or thinner	Micromax™ 3610	
Density	1.09	g/cm ³
Solid content ¹	19 to 21	%
Maximum Service Temperature ²	90	°C

TECHNICAL DATA

Rheological Properties	Value	Unit
Viscosity ³	1.9 to 3	Pa.s

Application Technique	Value	Unit
Mask mesh ⁴	200 to 325	
Drying time	5	min

Application Technique	Value	Unit
Drying temperature	120 to 130	°C
Theoretical coverage ⁵	290	cm ² /g
Recommended film thickness	12.7 to 25.4	µm

Mechanical Properties	Value	Unit
Adhesion ⁶	5B	class

Storage and Stability	Value	Unit
Shelf life ⁷	12	months

¹150°C

²on Polyester Film, dependent on conductor

³Brookfield LVT, 6 rpm #2 spindle, 25°C

⁴Screen Types: Stainless steel

⁵25.4µm coating given by 280-mesh stainless steel

⁶Dielectric to Polyester Scotch Tape #600 Conductor to Dielectric, ASTM D3359-78.

⁷in unopened containers, from date of shipment, stable environment at room temperature between 5°C - 30°C

PROCESSING GUIDELINES

Substrates

Polyester, polyimide, epoxy glass

Printing

Semiautomatic and manual

Typical thickness (after cure)

Printed with 200 - 325mesh stainless steel screen

12.7 - 25.4 µm

Work life

> 2 hours

Drying

120 - 130°C/5 minutes

Typical Physical & Electrical Properties on Polyester Film & Composition Properties

Test	Properties
Abrasion Resistance, Pencil Hardness (ASTM D3363-74) [H]	≥ 1

Flexibility (180° crease over Micromax™ 5007)	No opens
Coverage (cm ² /g) (Dependent on print thickness) 0.45 mil coating given by 280-mesh polyester	500
Coverage (cm ² /g) (Dependent on print thickness) 0.6 mil coating given by 230-mesh polyester	375
Coverage (cm ² /g) (Dependent on print thickness) 1.1 mil coating given by 200-mesh stainless steel	240

Information in this datasheet shows anticipated typical physical properties for Micromax™ 3571 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 between 5°C - 30°C. Shelf life of material in unopened containers is 12 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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