

## BATTERY INK - CATHODE

**Nanopaint's PBI0CNP®** is a screen printable Cathode ink for the production of printed lithium ion batteries. Due to the inherent properties of the Cathode ink, there is no need for any specific or expensive post-treatment process to activate their properties.

### INK FEATURES

- ✓ High stretchability
- ✓ Fast curing
- ✓ Easy screen printable
- ✓ Of easy cleaning
- ✓ Flexible
- ✓ Easy processability

### INK PROPERTIES

|                 |                |
|-----------------|----------------|
| Apparency       | Balck          |
| Cure processing | Thermal cure   |
| Viscosity       | 2000 – 8000 cP |

### HANDLING PROPERTIES

|                    |                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------|
| Processing         | Stir vigorously with a spatula                                                                  |
| Printing equipment | Screen printer, doctor blade printing                                                           |
| Screen meshes      | 55-77T polyester mesh                                                                           |
| Squeegee Hardness  | 60-75 Shores                                                                                    |
| Drying conditions  | 60°C for 10 minutes in a regular or ventilated oven                                             |
| Substrates         | Plastic and metallic substrates                                                                 |
| Clean-up solvent   | Nanopaint's cleaning solvent <b>Clear100NP</b>                                                  |
| Storage            | Should be kept well sealed, in a cool and dry place, away from direct sunlight.                 |
| Shelf-life         | Ink in an unopened container has a recommended shelf life of 3 months from the date of delivery |





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Safety Data Sheets (SDS) are available by emailing us or contacting your sales representative. Always consult the appropriate SDS before using any of our products.

The information and the products are for use by technically skilled people at their own discretion and risk and do not relate to the use of this product in combination with any other substance or any other process.

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