

NOVI T GNP/CNT



transparent-conductive GNP/CNT ink

TECHNICAL DATA SHEET:

Product Description

NOVI transparent-conductive GNP/CNT ink is designed for spray coating proces on rigid and flexible substrates. It can be used for preparing transparent electrodes for different kind of displays.

It is possible to adjust the properties of the ink to the customer's needs.

Product benefits

- ✓ *Electrical conductivity*
- ✓ *High flexibility*
- ✓ *Transparent*
- ✓ *Good solution for display transparent layer*

Processing:

materials tested as possible substrates:

PET foil, Glass, Kapton foil, paper

designed for technologies:

spray coating

important processing parameters:

- industrial or manual spray coaters
- cured in 80°C for 45 min

Composition:

- Functional phase: carbon nanotubes and graphene
- Washing solvent: acetone
- Organic vehicle and solvent

Important joint parameters:

- **Resistivity:** 30kΩ/□
- **Resistivity change after 100 000 bending test :** <10%
- **Thickness of the layer after sintering:** 1-5μm

Storage and shelf life:

Tightly sealed containers should be stored in a dry room, at room temperature, away from sources of fire. Shelf life for pastes in unopened containers is 6 months from the date of production. Sedimentation symptoms may appear; stir the paste thoroughly before use.



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