

TECHNICAL SPECIFICATION DATASHEET (TDS)

Product Name – Carbon Nanotubes Conductive Ink (Carbon Ink)

Product Code – Tech-Cink-01

Form - Liquid Form

Colour – Black

Pack - 10gm, 100gm, 1Kg and many more

Tech-Cink-01 is a carbon nanotubes based carbon ink with excellent electrical and thermal conductivity used in various electronics and thermal applications mainly in screen printing, inject printer and dip coating.

Features:

- ExcellentScreenPrintingProperties
- The curing temperature is low
- Resistanttoabrasion,scratching,flexingandcreasing
- Very Good Adhesion on a substrate like Paper, PET, Mylar, Glass, Epoxy, Polyamide, Acrylic, Silicon Oxide, Metals and many more.

Customization:

- We provide customization as per client required design and application.

Cleaning:

- Use acetone or isopropyle alcohol to clean the apparatus.

Storage & Shelf-Life:

- It advised storing in dark and cold places.
- It is advisable to do not store material in room temperature.
- The cap of bottle must be fully tightened to avoid its vapourization.
- Keep far from the children reach.

Technical Parameter:

<i>Tech-Cink-01</i>	<i>Description</i>
CAS NO.	7782-42-5
Product Composition	Multiwalled Carbon Nanotubes
Percentage loading	30%
Sintering Temperature	100 ⁰ C
Sintering Time	30 Minutes
Particle Size	~ 5 microns
Binding	Paper, PET, Glass, Polyimide, Metal and Silicon Oxide
Coverage	1m ² for 10 grams
Density	1.3 g/ml
Recommended mesh	100 Mesh
Colour	Black
Surface Resistivity	7.2 ohms for line thickness: 0.04mm
Viscosity	23500 cps
Thinner	Normally not required. If required used PU Solvent to adjust the viscosity
Shell Life	6 months in an unopened container

Techinstro assures the above specification and dimensions of the product as per the datasheet. We ensure the quality of the product with moisture-proof packing. This sheet is also available on the website, where researcher or purchaser can also download it merely by clicking on the pdf link. The terms and condition for the product purchase mentioned in the quotation. For safe product storage, tips and procedure provided with the material. For more queries, contact our technical support.