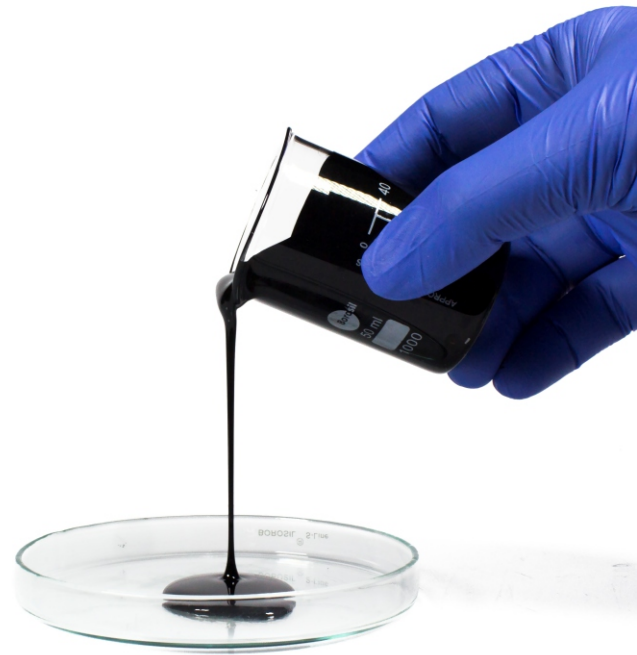


Graphene Based Conductive Ink

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PRODUCT FEATURES

- ✓ Good Printability
- ✓ Low temperature Curing
- ✓ Good screen resistance time
- ✓ Compatibility with low temperature substrates such as PET



Product Description

The promising and extraordinary properties of graphene have attracted significant interest, making graphene an alternative to replace many traditional materials for many applications, particularly in conductive ink for the fabrication of flexible electronics. Graphene-based conductive ink has been widely applied to printed electronics, which nevertheless faces several challenges, e.g., dispersion and stability of graphene flakes and ideal compromise between conductivity and transparency.



Quick Facts

CAS	:	1034343-98-0
Purity	:	99.9%
APS	:	1-3nm
Appearance	:	Black Liquid

PROPERTIES

Viscosity	6.5-11.0 Pas
Surface tension	32.4Mn/m
Sheet resistance	4-13 kΩ/ (45 to 70%T at 660 nm)
Surface Compatibility	High temp. substrate such as galss
Density	0.934g/cm3
Substrates	Polyester, PVC or Ceramic
Shelf Life	Minimum 3 months from dispatch
Storage Temp.	Stored at room temperature (20°C)

Application

- ✓ Biosensor
- ✓ Printed batteries
- ✓ RFID Tags
- ✓ Touch switches
- ✓ Printed and flexible resistors
- ✓ OTFT electrode
- ✓ Acoustic actuator
- ✓ Supercapacitor

To avoid premature solvent evaporation and lower risks of screen blockage the paste should be print-flood processed.

CLEAN-Up

Clean the equipment by alcohol such as propanol or our thinner.

STORAGE AND shelf-life

Close the cap tightly and store the container at room temperature. Containers should be stored at room temperature (10-25oC) with lids tightly sealed.

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