

# Technical Data Sheet

## Graphene Ink I-WP33

**I-WP33** is a kind of hydrophilic conductive ink designed for spray printed flex circuit and electronic device applications. The sprayed layer shows excellent electrical conductivity and hardness performance.

### Physical Property

- Appearance : Black ink
- Pencil Hardness :  $\geq$  B
- Sheet Resistance :  $\leq 25 \Omega/\square/\text{mil}$
- Viscosity<sup>+</sup> : 20~50 cps
- pH: 7~9
- Shelf Life : Sealed for 3 months @ 25 °C

<sup>+</sup> Viscosity: Hydramotion VL7-100B-d21

### Recommended Operation Condition

- Settling of solid may occur and compositions should be thoroughly mixed prior to use.
- Mix carefully in case bubble during operation.
- Recommended coating method : Spray coating
- Curing condition : 30~40 minutes @ 120 °C
- Clean up : Ketone
- Please wear protective cloths as well as installing full ventilation during the operation.

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Please note that partial of the analysis data are also conveniently available online at [www.graphene.com.tw](http://www.graphene.com.tw)

## Storage

- Graphene Ink should be stored in a clean, stable environment at room temperature with the lids tightly sealed.
- Storage in high temperature ( $>30\text{ }^{\circ}\text{C}$ ) or freezers ( $<0\text{ }^{\circ}\text{C}$ ) is NOT recommended.

## Safety Issue

- Products are intended for use in an industrial environment by trained personnel. Please follow proper health/safety processes regarding storage, handling and processing of the products. For Safety and Handling information pertaining to this product, refer to Safety Data Sheet (SDS).

## Package

- The standard package is 1KG. It could be customized according to customers' requirement.

# Graphage

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