

Technical Data Sheet

Graphene Ink I-KT22

I-KT22 is designed for flexible screen-printed circuit and electronic device applications. The printed layer shows excellent electrical conductivity and good attachability.

Physical Property

- Appearance : Black paste
- Adhesion* : $\geq 4B$ (on PET film)
- Pencil Hardness : $\geq B$
- Sheet Resistivity : $\leq 50 \Omega/\square/\text{mil}$
- Viscosity⁺ : $45,000 \pm 15,000$ cps
- Shelf Life : Sealed for 3 months @ 25 °C

* Recommended thickness: 10~20 um

⁺ Viscosity: Brookfield HADV-I+ with Spindle #7 @ 60rpm or #6 @ 30rpm

Recommended Operation Condition

- Settling of solid may occur and compositions should be thoroughly mixed prior to use.
- Mix carefully in case of bubbling during operation.
- 100~250 mesh of polyester screen printing is suggested.
- Screen type : Polyester
- Curing condition : 40 minutes @ 130~140 °C
- Dilution of this product is NOT recommended.

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Please note that partial of the analysis data are also conveniently available online at www.graphene.com.tw

- Clean up : Ketone
- Please wear protective cloths as well as installing full ventilation during the operation.

Storage

- Graphene Ink should be stored in a clean and stable environment at room temperature with their lids tightly sealed.
- Storage in high temperature ($>30^{\circ}\text{C}$) or freezers ($<0^{\circ}\text{C}$) 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/Plastic jar. It could be customized according to customers' requirement.



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