

Technical Data Sheet

Graphene Suspension S-ON30

S-ON30 is designed for lithium-ion battery as the conductive additive of cathode and anode to create enhanced conductive network. Particularly, it improves the performance of materials of high operating voltage battery.

Physical Property

- Appearance : Gray liquid
- Fineness : $\leq 25 \mu\text{m}$
- Solid Content : $6\pm 0.5 \%$
- Additive : $\leq 2.5 \text{ wt}\%$
- Volume Resistivity : $\leq 0.15 \Omega\cdot\text{cm}$
- Viscosity : $\leq 4,000 \text{ cps}$
- Shelf Life : Sealed for 2 months @ 25°C , Humidity: $< 40 \%$

+ Viscosity: Brookfield HADV-I+ with Spindle #3 @ 20rpm

Recommended Operation Condition

- Solid settling may occur over time. Stirring thoroughly is recommended before use.
- Please use n-methyl pyrrolidone (NMP) as solvent.
- Please use polyvinylidene fluoride (PVDF) as binder.
- This product can be diluted in NMP.
- It is suggested that graphene suspension be dispersed in solvent before other binder or conductive additive is added.

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

- Thickness of wet film should not be less than 10 μm during coating process.

Storage

- Graphene suspension should be stored in a dry and stable environment at room temperature with their 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/Plastic jar. It could be customized according to customers' requirement.



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