

## Technical Data Sheet

### Graphene Few Layer Powder P-LF08

**P-LF08** is few layer graphene sheets which are stacked by 4 to 10 layers of graphene. This powder is much more suitable for industrial applications than the single layer one, and provides excellent performances due to its appearance and lower specific surface area.

#### Physical Property

- Appearance : Black fluffy powder
- Oxygen Content :  $\leq 30$  wt%
- Tap Density :  $0.0045 \pm 0.0015$  g/cm<sup>3</sup>
- Specific Surface Area :  $450 \pm 150$  m<sup>2</sup>/g
- Average Thickness (Z axis) : ~3 nm
- Average Lateral Size (X-Y plane) :  $\leq 5$   $\mu$ m

#### Recommended Operation Condition

- Few layer graphene powders are hydrophobic.
- Pre-dry at 100 °C for 1 hr before operation is recommended.
- Please wear protective cloths as well as installing full ventilation during the operation.
- Graphene powder shows low compatibility with most systems. Please contact Enerage Inc. for more information about dispersion.

#### Storage

- Graphene powder should be stored in a clean and stable environment at room temperature.

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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 at high temperature ( $>30\text{ }^{\circ}\text{C}$ ) or in 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 1G/Plastic jar.



# Graphage

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