



Technical Data Sheet

ACS Material Industrial Fluorinated Graphene

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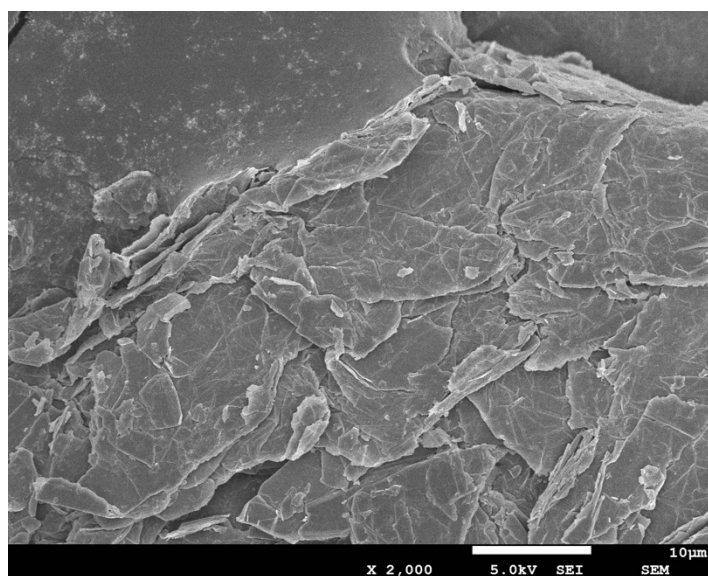
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1. Characterizations

Product Name	Industrial Fluorinated Graphene
Flake Diameter:	4-10 μm
Flake Thickness:	5-10 nm
F wt. %:	53-65
C wt. %:	35-47
Electrical conductivity:	Insulation
Other properties:	Reduced surface energy and enhanced hydrophobicity



Typical SEM Image of ACS Material Industrial Fluorinated Graphene

<i>Element</i>	<i>Wt%</i>	<i>At%</i>
<i>C K</i>	35.16	46.04
<i>O K</i>	1.80	1.77
<i>F K</i>	63.04	52.19
<i>Total</i>	<i>100.00</i>	

Typical EDS Result of ACS Material Industrial Fluorinated Graphene

(Reference only and will vary from batch to batch)

2. Application Fields

- 1) Tunnel barrier, higher quality insulator and barrier materials
- 2) Light emitting diodes and displays
- 3) New Nano-electronic devices
- 4) Lubricating or interface materials

3. Storage

Keep containers capped and closed.

Stored in room temperature, and in a cool, ventilated, dry place, avoid direct sunlight.

Shelf life: 6 months after opening the package

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