



Technical Data Sheet

ACS Material Fluorinated Graphene

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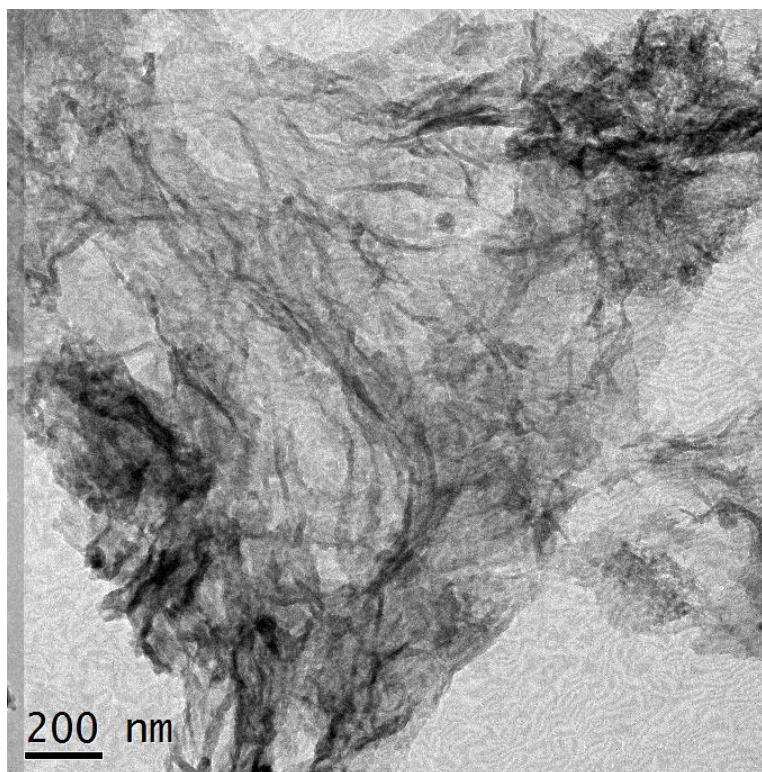
Revision: 112617

1. Preparation Method

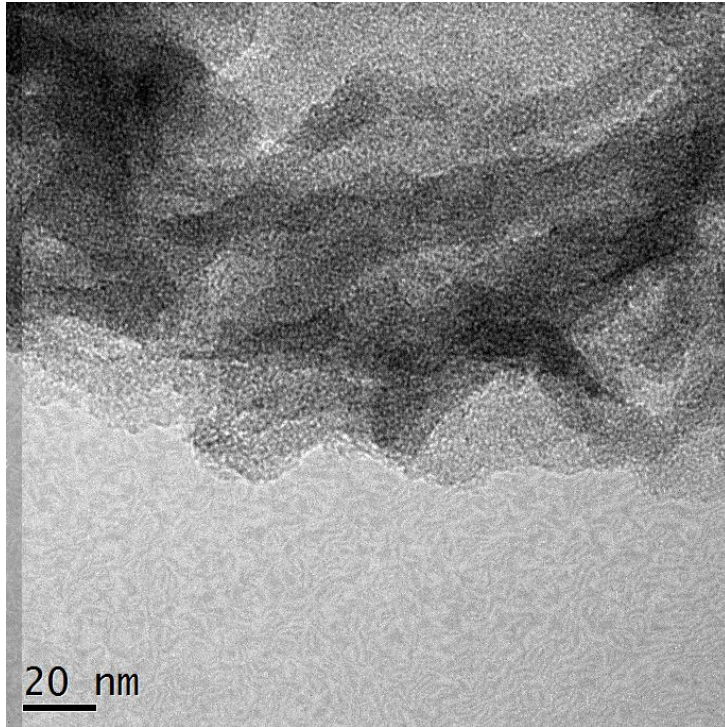
Mixed atmosphere of high temperature heating method

2. Characterizations

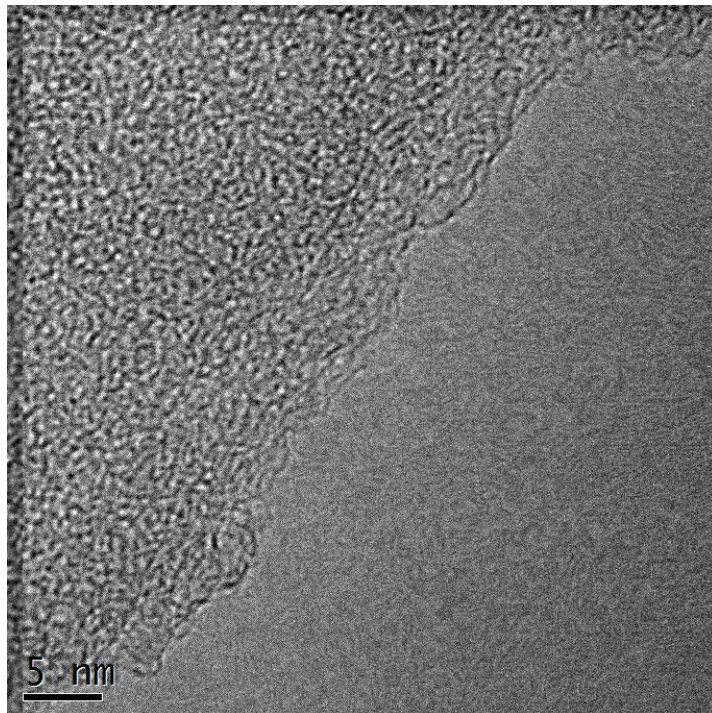
Type:	A-Single Layer Graphene Powder (made from Single Layer Graphene)	B-Multi-Layer Graphene Nanoplatelets (made from Graphene Nanoplatelets (2-10nm))
Color:	Grey	Grey
Purity:	>98%	>98%
Flake Diameter:	0.4-5 μm	2-10 μm
F wt. %:	58-64	55-60
C wt. %:	36-42	38-45
Electrical conductivity:	Insulation	Insulation



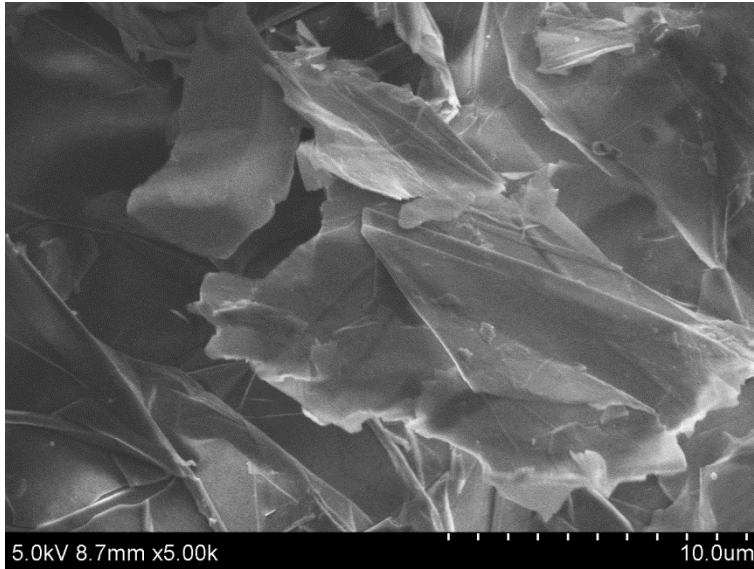
Typical TEM Image of ACS Material Fluorinated Graphene (Type A)



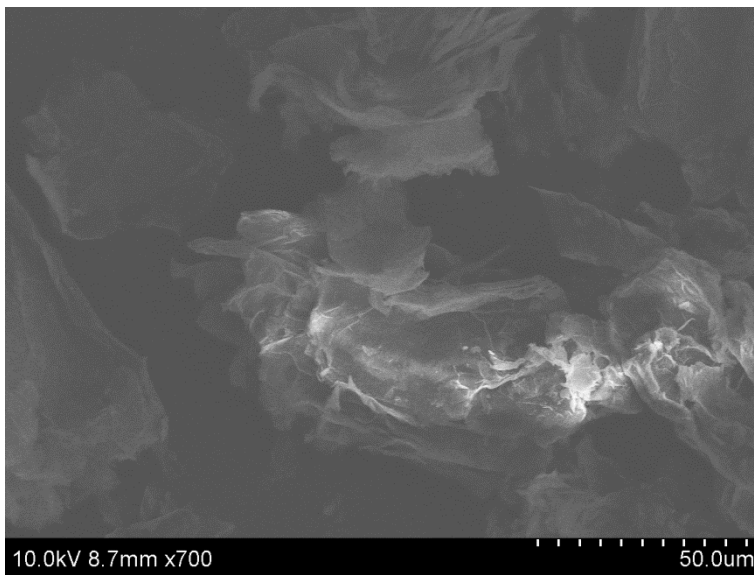
Typical TEM Image of ACS Material Fluorinated Graphene (Type A)



HRTEM Image of ACS Material Fluorinated Graphene (Type A)



Typical SEM Image of ACS Material Fluorinated Graphene (Type B)



Typical SEM Image of ACS Material Fluorinated Graphene (Type B)

3. Application Fields

- 1) Interface
- 2) New Nano-electronic Devices
- 3) Lubricating Materials

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