



Technical Data Sheet

ACS Material Expandable Graphite

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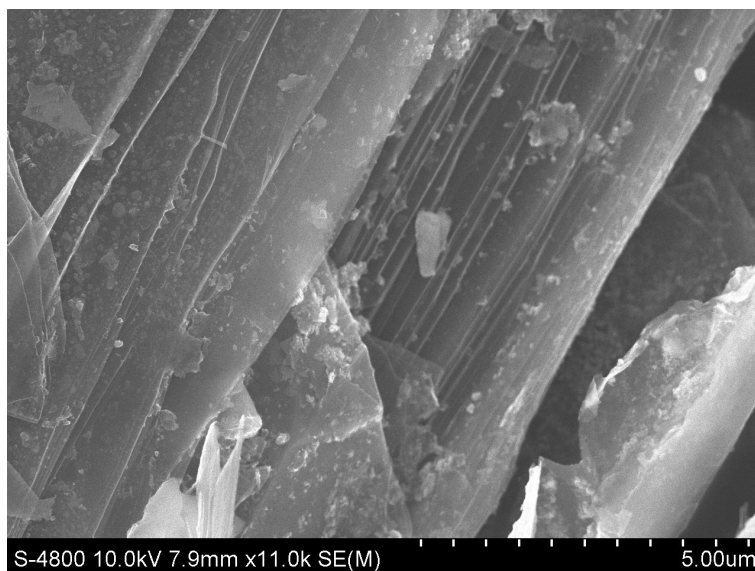
Revision: 072517

1. Preparation Method

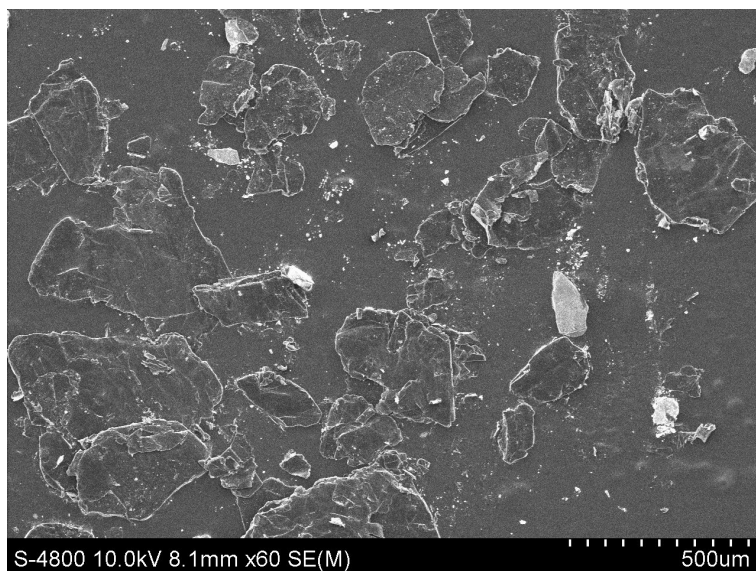
Chemical Oxidation Method

2. Characterizations

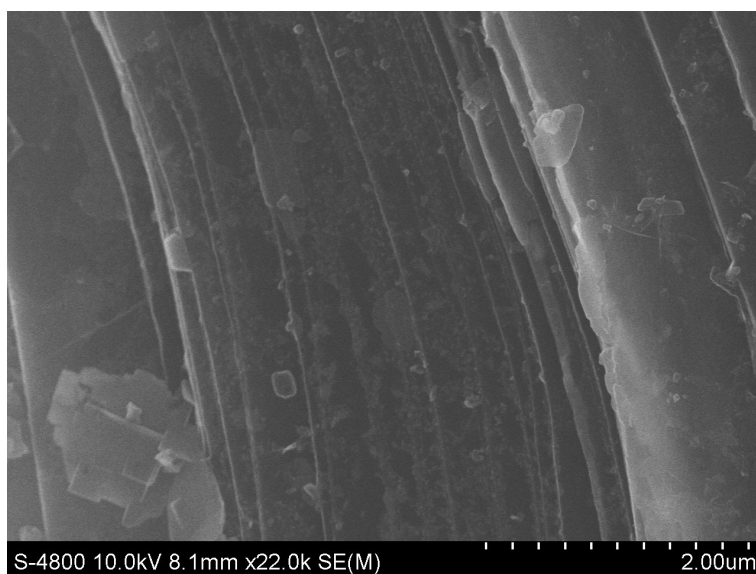
Products No.	Expansion Start Temperature (EST, °C)	pH	Mesh	Packing Density (mg/cm ³)	Expansion Volume (EV, ml/g)	Property
EG-170-400	170	7.0	80	0.5	400	Highest Expansion Volume
EG-180-250	180	7.0	80	0.5	250	
EG-250-180	250	7.0	80	0.5	180	
EG-300-170	300	7.0	80	0.5	170	Highest Expansion Start Temperature



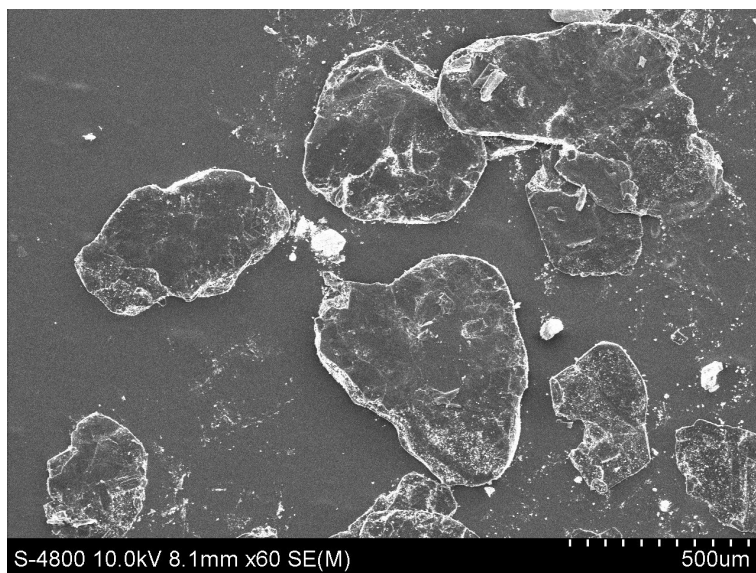
Typical SEM Image (1) of ACS Material Expandable Graphite (EG-170-400)



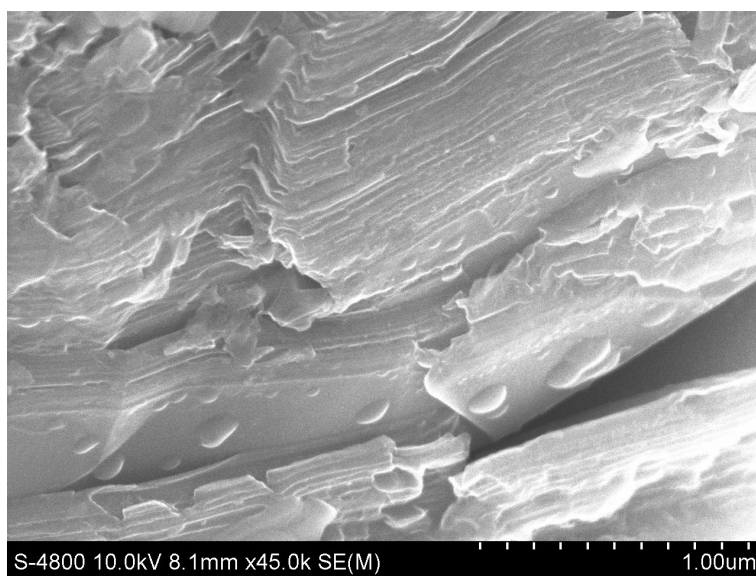
Typical SEM Image (2) of ACS Material Expandable Graphite (EG-170-400)



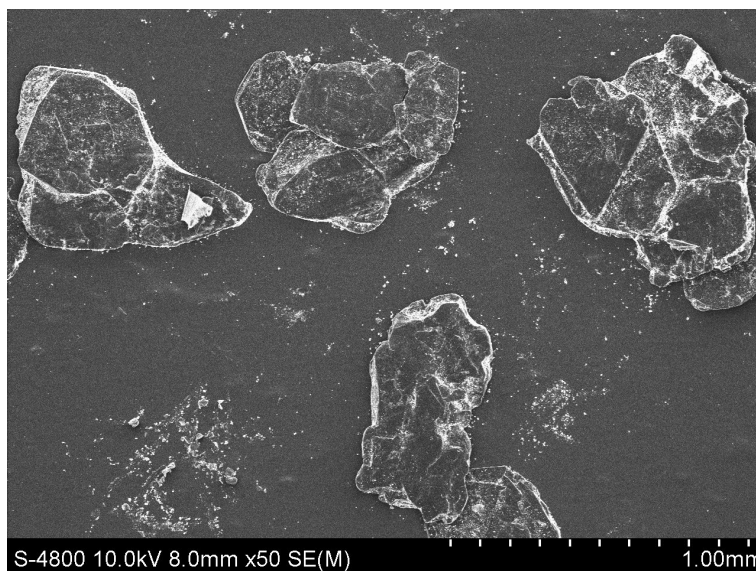
Typical SEM Image (1) of ACS Material Expandable Graphite (EG-180-250)



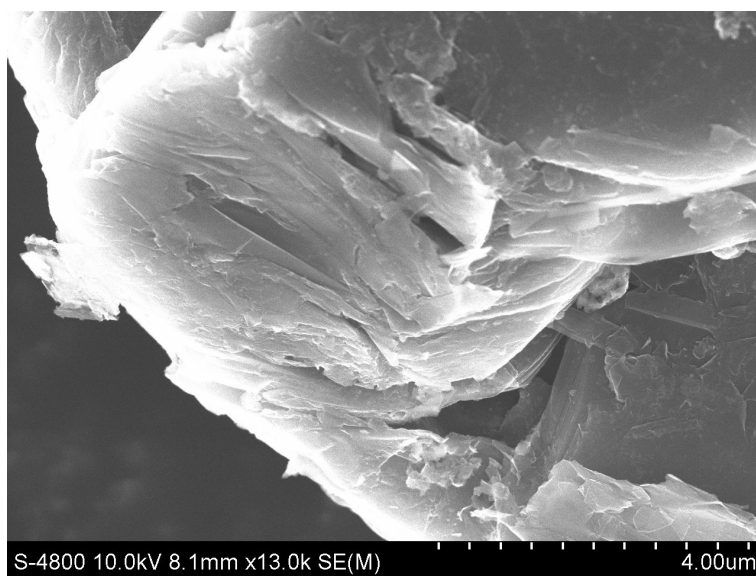
Typical SEM Image (2) of ACS Material Expandable Graphite (EG-180-250)



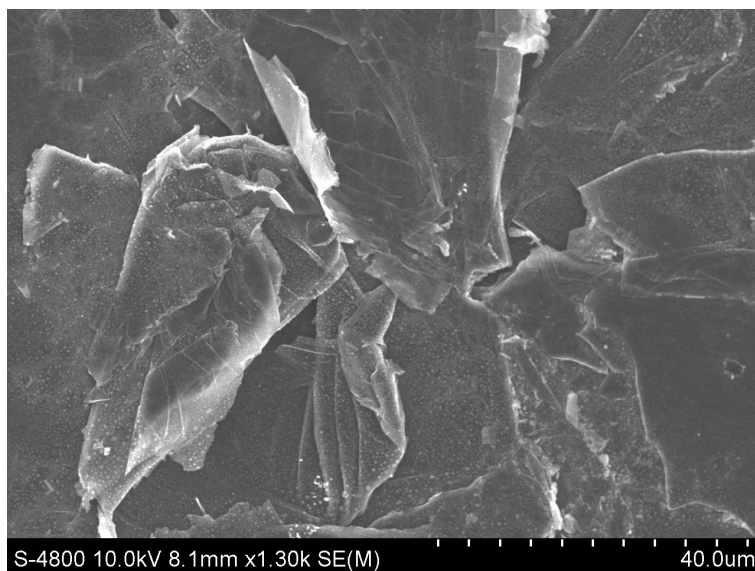
Typical SEM Image (1) of ACS Material Expandable Graphite (EG-250-180)



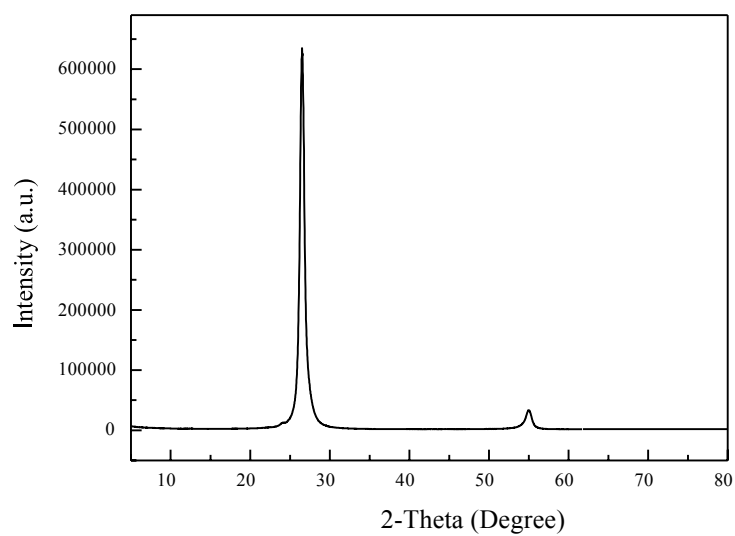
Typical SEM Image (2) of ACS Material Expandable Graphite (EG-250-180)



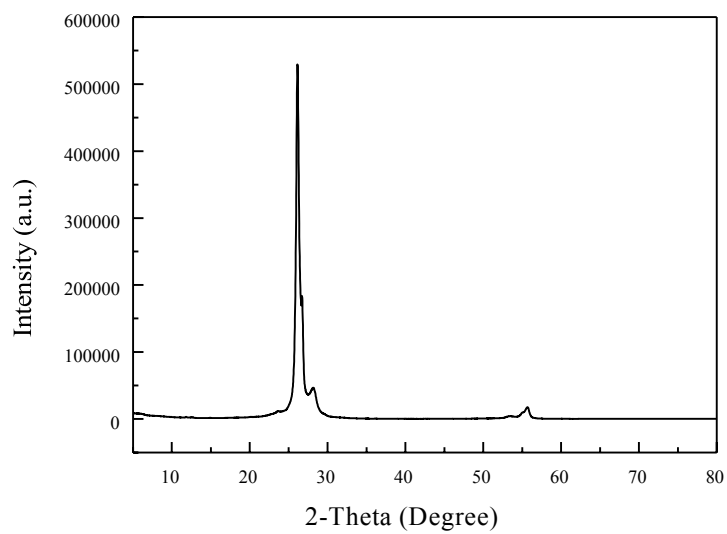
Typical SEM Image (1) of ACS Material Expandable Graphite (EG-300-170)



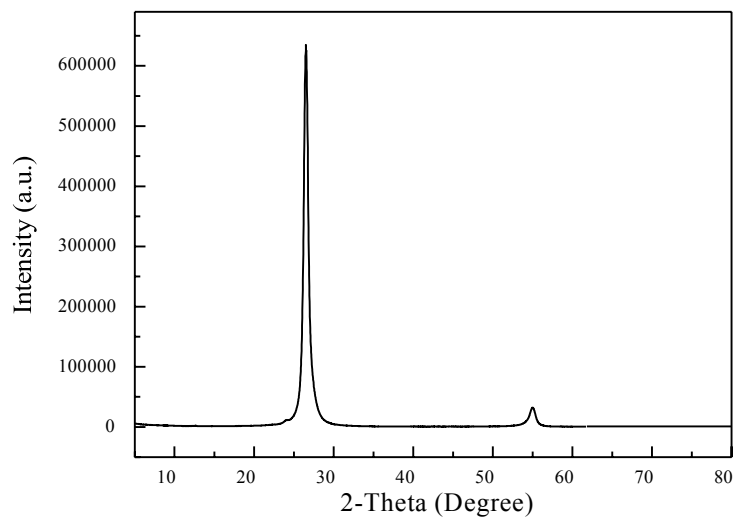
Typical SEM Image (2) of ACS Material Expandable Graphite (EG-300-170)



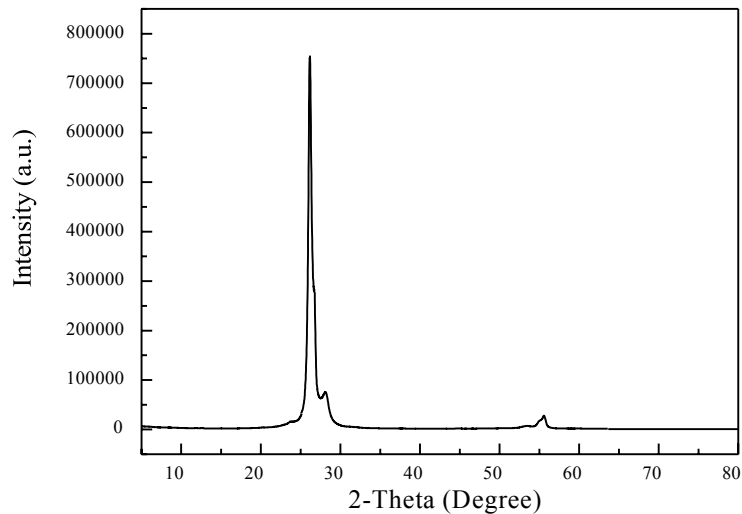
Typical XRD Analysis of ACS Material Expandable Graphite (EG-170-400)



Typical XRD Analysis of ACS Material Expandable Graphite (EG-180-250)



Typical XRD Analysis of ACS Material Expandable Graphite (EG-250-180)



Typical XRD Analysis of ACS Material Expandable Graphite (EG-300-170)

3. Application Fields

- 1) Fire-retardant additives
- 2) Lubrication
- 3) Conductive additives

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