Technical Data Sheet

ACS Material Graphene on Plastic Substrate

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Revision: 070117

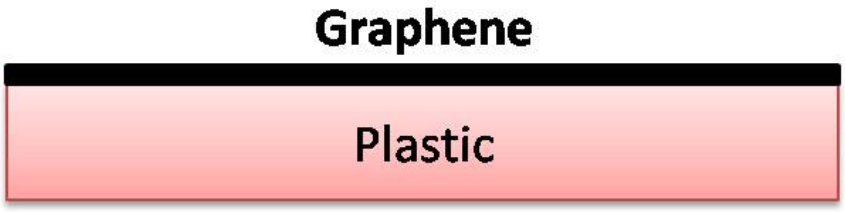
1. Preparation Method

CVD Method

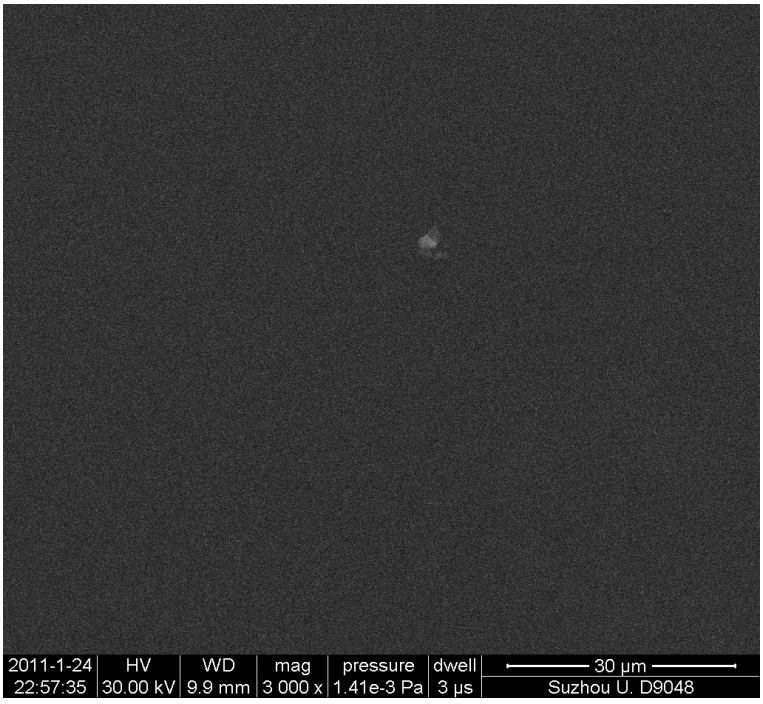
2. Characterizations

Description: Graphene transferred to Plastic substrate (a polymer mainly containing PET and other component (<10%)).

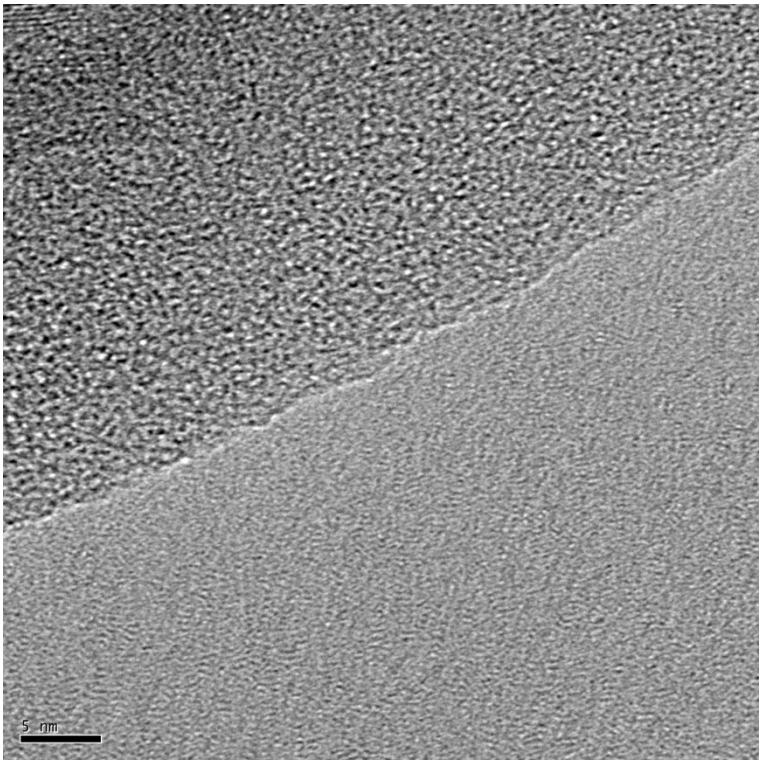
Layers:	Single- and Multi-layer Graphene on Plastic Substrate
Sheet Resistance (Ω/sq):	<600
Custom Order (Ω/sq):	<300
Transparency (%):	>95



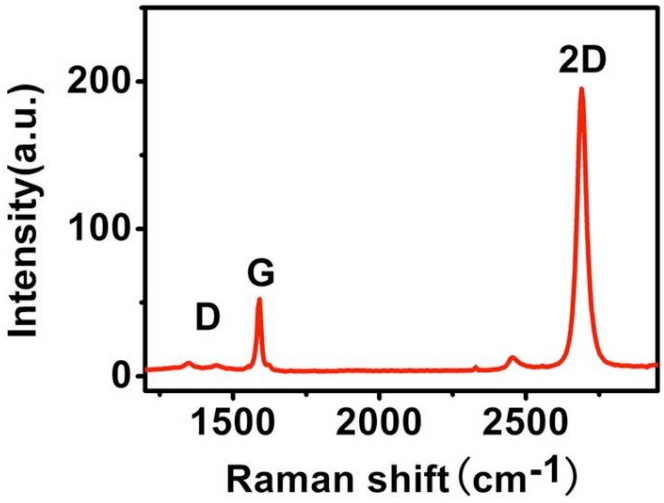
Graphene on Plastic Substrate



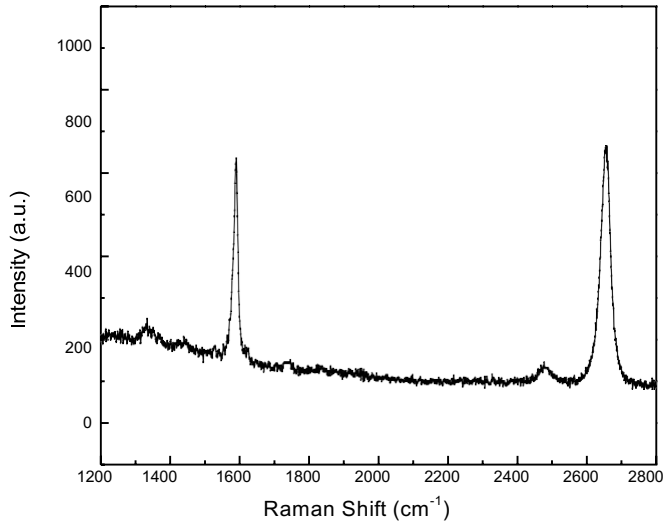
Typical SEM Image of ACS Material Single Layer Graphene Film



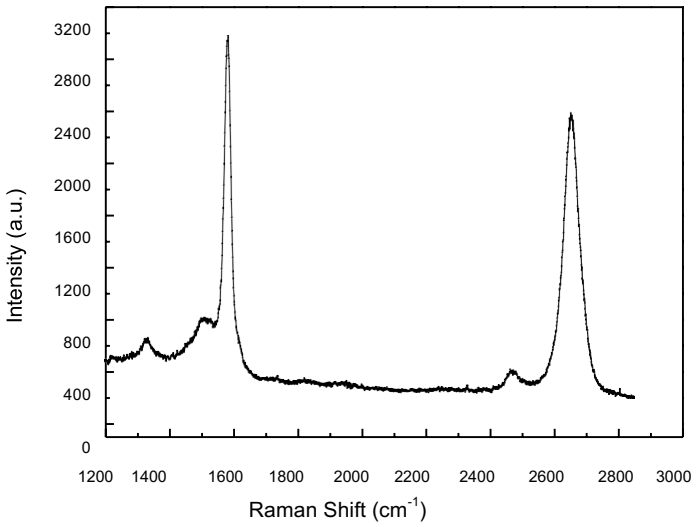
Typical TEM Image of ACS Material Single Layer Graphene Film



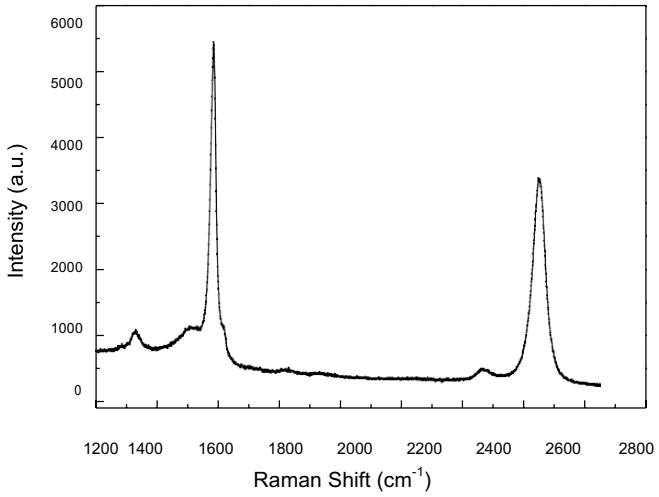
Typical Raman Spectrum of ACS Material Single Layer Graphene Film



Typical Raman Spectra of ACS Material 2 Layer Graphene Film



Raman Spectra of ACS Material 3~5 Layer Graphene Film



Raman Spectra of ACS Material 6~8 Layer Graphene Film

3. Application Fields

1) Catalyst
2) Supercapacitors
3) Solar energy
4) Graphene semiconductor chips
5) Conductive graphene film
6) Graphene computer memory
7) Biomaterials
8) Transparent conductive coatings