

Technical Data Sheet

ACS Material Pretreated Graphene-PMMA Coated

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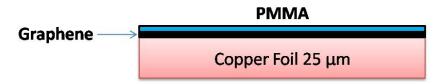
1. Preparation Method

Pretreated Graphene is produced by applying PMMA to a copper substrate with CVD graphene, followed by special processing:

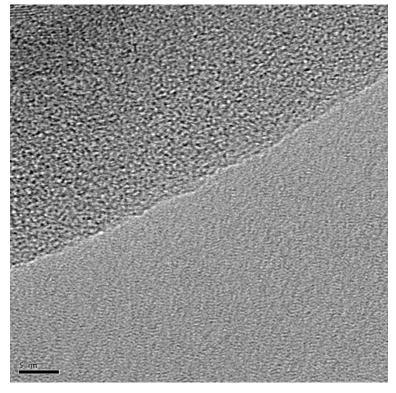
- 1) Graphene grown on Copper foil
- 2) Etch off copper with PMMA coated

2. Characterizations

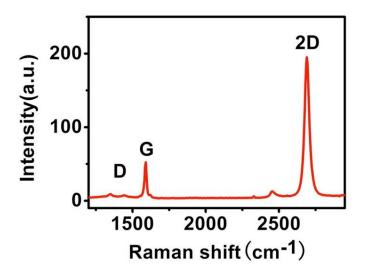
Sheet Resistance (Ω /sq):	<600
Custom Order (Ω/sq):	<300
Transparency (%):	>95



Graphene on Copper Foil Coated with PMMA



Typical TEM Image of ACS Material Single Layer Graphene Film



Typical Raman Spectrum of ACS Material Single 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

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