Technical Data Sheet

ACS Material Graphene on Plastic Substrate

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1. Preparation Method

CVD Method

2. Characterizations

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

<table>
<thead>
<tr>
<th>Layers:</th>
<th>Single- and Multi-layer Graphene on Plastic Substrate</th>
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<tbody>
<tr>
<td>Sheet Resistance (Ω/sq):</td>
<td>&lt;600</td>
</tr>
<tr>
<td>Custom Order (Ω/sq):</td>
<td>&lt;300</td>
</tr>
<tr>
<td>Transparency (%):</td>
<td>&gt;95</td>
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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

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