Technical Data Sheet

ACS Material Graphene on PET Substrate

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1. Preparation Method

CVD Method

2. Characterizations

<table>
<thead>
<tr>
<th>Layers:</th>
<th>Single- and Multi-layer Graphene on PET Substrate</th>
</tr>
</thead>
<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>
</tr>
</tbody>
</table>

Graphene

PET

Graphene on PET 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
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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