Technical Data Sheet

ACS Material Graphite Flake

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1. Preparation Method
Interlayer cleavage method

2. Characterizations

<table>
<thead>
<tr>
<th>Mesh number</th>
<th>50</th>
<th>80</th>
<th>100</th>
<th>200</th>
<th>300</th>
<th>500</th>
<th>1000</th>
<th>3500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purity</td>
<td>99.50%</td>
<td>99.90%</td>
<td>99.90%</td>
<td>99.00%</td>
<td>99.60%</td>
<td>99.00%</td>
<td>99.90%</td>
<td>99.90%</td>
</tr>
<tr>
<td>Flake size (µm)</td>
<td>270</td>
<td>180</td>
<td>150</td>
<td>75</td>
<td>48</td>
<td>25</td>
<td>13</td>
<td>4.3</td>
</tr>
</tbody>
</table>

- The mesh number is determined by standard sieve and laser particle size analyzer;
- Purity is determined by comprehensive tests such as muffle furnace, high precision balance, and scanning electron microscope.

3. Application Fields
Conductive, thermal conductivity, lubrication, composite materials.

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