**SIGRATHERM® GFG**

Highly conductive expanded graphite powder

SIGRATHERM GFG graphite powder is a highly conductive expanded graphite powder. It is used in a wide variety of applications where thermal conductivity is essential. For instance, it is used in thermally conductive plastics, adhesives, sealants, or as inorganic materials, e.g., molds in foundry technology. Furthermore, due to the unique properties of graphite, GFG can also be used in electric/antistatic applications as well as mechanical applications.

**Material data of SIGRATHERM® GFG**

<table>
<thead>
<tr>
<th>Typical properties</th>
<th>Units</th>
<th>GFG5</th>
<th>GFG20</th>
<th>GFG75</th>
<th>GFG130</th>
<th>GFG200</th>
<th>GFG600</th>
<th>GFG600HD</th>
<th>GFG1200</th>
</tr>
</thead>
<tbody>
<tr>
<td>D₅₀</td>
<td>µm</td>
<td>5¹⁾</td>
<td>20¹⁾</td>
<td>75¹⁾</td>
<td>130¹⁾</td>
<td>200²⁾</td>
<td>600²⁾</td>
<td>600²⁾</td>
<td>1200²⁾</td>
</tr>
<tr>
<td>Powder density³⁾</td>
<td>g/l</td>
<td>150</td>
<td>120</td>
<td>120</td>
<td>100</td>
<td>100</td>
<td>350</td>
<td>200</td>
<td></td>
</tr>
<tr>
<td>Carbon content</td>
<td>%</td>
<td>&gt; 95</td>
<td>&gt; 95</td>
<td>&gt; 95</td>
<td>&gt; 95</td>
<td>&gt; 95</td>
<td>&gt; 95</td>
<td>&gt; 95</td>
<td>&gt; 95</td>
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<tr>
<td>([DIN 51903; 800 °C; 20 h])</td>
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<td></td>
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</tr>
<tr>
<td>Moisture content</td>
<td>%</td>
<td>&lt; 2</td>
<td>&lt; 2</td>
<td>&lt; 2</td>
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<td>&lt; 2</td>
<td>&lt; 2</td>
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<td>&lt; 2</td>
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<tr>
<td>([DIN 51901; 110 °C; 8 h])</td>
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</tr>
</tbody>
</table>

¹⁾ determined by laser granulometry (in line with ISO 13320)
²⁾ determined by sieve analysis (in line with DIN 51938)
³⁾ determined in line with DIN 51705

Unless stated otherwise, all values are valid at room temperature, typical, non-binding and subject to change. For engineering or design purposes please contact our technical sales team.

Delivery possible as Big Bags or paper/plastic bags.

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