

# 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 in 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

Typical properties	Units	GFG5	GFG20	GFG75	GFG130	GFG200	GFG600	GFG1000HD	GFG1200
D <sub>50</sub>	µm	5 <sup>1)</sup>	20 <sup>1)</sup>	75 <sup>1)</sup>	130 <sup>1)</sup>	200 <sup>2)</sup>	600 <sup>2)</sup>	1000 <sup>2)</sup>	1200 <sup>2)</sup>
Powder density <sup>3)</sup>	g/l	150	120	120	100	100	100	350	200
Carbon content [DIN 51903; 800 °C; 20 h]	%	≥ 95	≥ 95	≥ 95	≥ 95	≥ 95	≥ 95	≥ 95	≥ 95
Moisture content [DIN 51901; 110 °C; 8 h]	%	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5

<sup>1)</sup> determined by laser granulometry (in line with ISO 13320)

<sup>2)</sup> determined by sieve analysis (in line with DIN 51938)

<sup>3)</sup> determined in line with DIN 51705

Delivery possible as Big Bags or paper/plastic bags.



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