

SIGRAFINE® HMR

Material: Graphite
Forming: Die molded
Application: Wheel molds

Material data of SIGRAFINE® HMR

Typical properties	Units	Test standards		Ø 1100 ... 1400 x 584 mm
Bulk density	g/cm ³	ASTM C559		1.65
Max. grain size	mm	DIN 66165		0.8
Resistivity	μΩm	ASTM C611	II	11.2
Flexural strength (3 points)	MPa	ASTM C651	II	12
Thermal conductivity (20 °C)	Wm ⁻¹ K ⁻¹	DIN 51908	II	116
Thermal expansion (20 – 200 °C)	10 ⁻⁶ K ⁻¹	DIN 51909	II	3.61
Rockwell hardness HR _{10/100}		DIN IEC 60413/303	II	23
Coefficient of permeability (20 °C)	AFS			0.51
Ash content	%	DIN 51903		< 0.1
Iron content	%			< 0.02

II parallel to the grain direction.
 For any engineering/design purposes please always contact our technical sales team.



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TDS HMR2700.00
 04 2019/0 E Printed in Germany
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