SIGRAFINE® R6660

Material: Graphite
Forming: Isostatically pressed
Application: Semiconductor, photovoltaics

Material data of SIGRAFINE® R6660

Typical properties	Units	Test standards	Values*
Average grain size	µm	ISO 13320	10
Bulk density	g/cm³	DIN IEC 60413/204	1.75
Open porosity	Vol. %	DIN 66133	14
Medium pore entrance diameter	µm	DIN 66133	1.5
Coefficient of permeability (ambient temperature)	cm²/s	DIN 51935	0.25
Rockwell hardness $HR_{5/100}$		DIN IEC 60413/303	75
Resistivity	µΩm	DIN IEC 60413/402	23
Flexural strength	MPa	DIN IEC 60413/501	50
Compressive strength	MPa	DIN 51910	115
Dynamic modulus of elasticity	MPa	DIN 51915	10.5×10^3
Thermal expansion (20 – 200 °C)	K^{-1}	DIN 51909	3.7×10^{-6}
Thermal conductivity (20 °C)	$Wm^{-1}K^{-1}$	DIN 51908	45
Ash content	ppm	DIN 51903	200

* Typical average values of different rectangular and round block sizes. The actual individual block values might vary depending on dimension and format.
For any engineering/design purposes please always contact our technical sales team.

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