

SIGRAFINE[®] R8520

Material: Artificial Graphite
Forming: Isostatic
Application: EDM

TECHNICAL INFORMATION - Not an official datasheet - for Information only

Typical property data*

Properties	Test standard	Unit	Value
Bulk Density	DIN IEC 60413 / 204	g/cm ³	1.80
Average Grain Size	ISO 13320	µm	10
Open Porosity	DIN 66133	Vol. %	12
Rockwell Hardness HR5/100	DIN IEC 60413 /303		80
Specific electrical Resistivity	DIN IEC 60413/402	µΩm	13
Flexural Strength	DIN IEC 60413/501	MPa	55
Compressive Strength	DIN 51910	MPa	120
Dynamic Modulus of Elasticity	DIN 51915	GPa	11
Coefficient of thermal expansion (20 - 200 °C)	DIN 51909	10 ⁻⁶ /K	4.2
Thermal Conductivity	DIN 51908	W/mK	100

*Typical average values of different rectangular and round block sizes.
 The actual individual block values might vary depending on dimension and format.

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