

SIGRAFINE® V2114

Material: Graphite

Forming: Isostatically pressed

Application: Semiconductor, photovoltaics

Material data of SIGRAFINE® V2114

Typical properties	Units	Test standards	Values
Bulk density	g/cm ³	DIN IEC 60413/204	1.80
Open porosity	Vol. %	DIN 66133	12
Medium pore entrance diameter	µm	DIN 66133	2.6
Rockwell hardness HR _{10/100}		DIN IEC 60413/303	100
Resistivity	µΩm	DIN EC 60413/402	14
Flexural strength	MPa	DIN IEC 60413/501	49
Dynamic modulus of elasticity	MPa	DIN 51915	11.5 x 10 ³
Thermal expansion (20 – 200 °C)	K ⁻¹	DIN 51909	3.4 x 10 ⁻⁶
Thermal conductivity (20 °C)	Wm ⁻¹ K ⁻¹	DIN 51908	73

For any engineering/design purposes please always contact our technical sales team.



Graphite Materials & Systems | SGL CARBON GmbH
 Sales Europe/Middle East/Africa | gms-europe@sglcarbon.com
 Sales Americas | gms-americas@sglcarbon.com
 Sales Asia/Pacific | gms-asia@sglcarbon.com
www.fine-grain-graphite.com | www.sglcarbon.com

TDS V2114.00

04 2019/0 E Printed in Germany

®registered trademarks of SGL Carbon SE

This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should therefore not be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our "General Conditions of Sale".