

SIGRASIC® Standard

Material: Carbon fiber-reinforced silicon carbide (CSiC)

Application: High-temperature applications

Material data of SIGRASIC® Standard

Typical properties	Units	Standard
Density	g/cm ³	1.8
Flexural strength	MPa	140
Flexural modulus	GPa	60
Tensile strength	MPa	350
Interlaminar shear strength	MPa	13
Max. application temperature	°C [°F]	1200 [2200] in vacuum or inert gas
Max. application temperature	°C [°F]	450 [840] in oxygen
Open porosity	%	2

Values without tolerance represent typical average values. For any engineering/design purposes please always contact our technical sales team.



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