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Technical Information

Materials & Item	Nitride Bonded Silicon Carbide (N Sic)	
	Technical Data	Unit
Bulk density 体积密度	2.65-2.8	g/cm ³
Porosity 气孔率	12--15	%
Compression strength 耐压强度	500-700	Mpa
Bending strength 抗折强度	150-180	Mpa
Young's modulus 杨氏模量	200-250	Gpa
Thermal conductivity 导热系数	15	W/MK
Thermal expansion 热膨胀系数 (20-1000 °C)	5.0	10 ⁻⁶ K ⁻¹
Max work temperature 最高使用温度	1550	°C
Si3N4 氮化硅	20-30	%
SIC 碳化硅	70-80	%

Remark:
Data of properties listed above are typical results from test pieces and therefor should be used only as guidance.