

Property	Value		Method
Typical Chemical Analysis	SiC	75 %	DIN EN ISO 21068
	Si3N4+ Si2ON2	22 %	DIN 13925
	Others	3,5 %	DIN 51001
Maximum application temperature	1150 °C		
Cold crushing strength	>140 MPa		EN 993-5
Modulus of rupture	➤ 40 MPa		EN 993-6
Bulk density	2,70 kg/dm³		EN 993-1
Open Porosity	13 %		EN 993-1
Linear thermal expansion 250 – 400 °C 250 – 600 °C 250 – 800 °C 250 -1000 °C	3,9 10-6/K 3,9 10-6/K 4,0 10-6/K 4,6 10-6/K		EN 993-19
Thermal conductivity at 400 °C at 800 °C at 1000 °C	22 W/mK 18 W/mK 16 W/mK		EN 993-15
Thermal Shock Resistance	Cycles	> 30	DIN 51068-1
Steam oxidation resistance at 1000 °C / 500 h	Volume change	≤ 0,8	ASTM C863

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