

Property	Value		Method
Typical Chemical Analysis	SiC	75 %	DIN EN ISO 21068
	Si ₃ N ₄ + Si ₂ ON ₂	21 %	DIN 13925
	SiO ₂	1 %	DIN 51001
	Others	3 %	
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/dm ³		EN 993-1
Open Porosity	12 %		EN 993-1
Linear thermal expansion			EN 993-19
250 – 400 °C	3,9 10-6/K		
250 – 600 °C	3,9 10-6/K		
250 – 800 °C	4,0 10-6/K		
250 -1000 °C	4,6 10-6/K		
Thermal conductivity			EN 993-15
at 400 °C	33 W/mK		
at 800 °C	21 W/mK		
at 1000 °C	18 W/mK		
Thermal Shock Resistance	Cycles	> 30	DIN 51068-1
Steam oxidation resistance at 1000 °C / 500 h	Volume change	≤ 0,4	ASTM C863

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