

Product Information Sheet for **SIC CN-178**

Property	Limits	Values
Chemical analysis (wt%)		
SiC	Typ	75
Si ₃ N ₄ BOND	Typ	23
Fe ₂ O ₃	Typ	2
Physical Properties		
Bulk Density, gm/cc	Typ	2.6
Apparent Porosity, %	Max	18
Mechanical Properties		
Cold Crushing Strength, Kg/cm ²	Min	1100
Modulus of Rupture, Kg/cm ²		
Room temp.	Min	450
1400°C	Min	600
Hardness HV	Min	1500- 2000
Thermal Properties		
Thermal Conductivity, W/mK		
900°C	Typ	13
Max. temperature of use, °C		1500
Coeff. Of thermal expansion, X10 ⁻⁶ /°C	Typ	5.4

*Typical Typical values refer to average values generally obtained on test bars and should not be taken as specifications.

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