

# Silicon Carbide Products

## SCProbond™-C

Composite Bonded Silicon Carbide

High temperature including light weight kiln furniture/refractory applications

### Current Applications

- Protective liners
- Thermocouple protection tubes
- Immersion tubes
- Kiln furniture
- Burner tips
- Shelves
- Crucibles



### SCProbond™ - C

Property	Units	Value
Density	g/cc	2.60
	lb/ft <sup>3</sup>	163
Apparent porosity	%	14-16
Modulus of rupture 3 point loading	MPa	130
	psi	18,850
Coefficient of thermal expansion (@ 1200° C)	x10 <sup>-6</sup> /°C	4.9
	x10 <sup>-6</sup> /°F	2.7
Thermal Conductivity	W/m°K	18
Maximum safe operating temperature (Dependant upon atmosphere)	°C	1525
	°F	2777

This information is for your consideration and verification and should not be considered a warranty or representation for which we assume legal responsibility.



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