

Technical Data Sheet

Product Name: Silicon Carbide Tube
Catalog No.: SC0908
Appearance/Color: Black Solid
Shape: Tube
Purity: 88-99.5%



Properties

	Recrystallized SiC	Sintered SiC	Reaction Bonded SiC
Purity of Silicon Carbide	99.5%	98%	>88%
Max. Working Temp. (°C)	1650	1550	1300
Bulk Density (g/cm³)	2.7	3.1	>3
Appearance Porosity	<15%	2.5	0.1
Flexural strength (MPa)	110	400	380
Compressive strength (MPa)	>300	2200	2100
Thermal expansion (10⁻⁶/°C)	4.6 (1200°C)	4.0 (<500°C)	4.4 (<500°C)
Thermal conductivity (W/m.K)	35~36	110	65
Main characteristics	High temp. resistance. High purity	Fracture Toughness	Chemical Resistance

Specification

Form	Dia. (mm)	Wall Thickness (mm)	Length (mm)
Tube	10-150	3-20	50-1500

Stanford Advanced Materials

By..... *Woman*