



Technical Data of Si₃N₄

material Item	Units	Si ₃ N ₄
Density	g/cm ³	3.18-3.2
Hardness	HRA	92-93
bending strength	Mpa	700
fracture toughness	Mpa.M ^{3/2}	7
thermal conductivity	10 ⁻⁶ /°C	3.2-4
Resistivity	Ω . CM	>10 ¹⁴
Elastic Modulus	Gpa	410
Max.operation temp	°C	1500