



PRODUCT DATA SHEET

AVERAGE PHYSICAL AND MECHANICAL PROPERTIES

MATERIAL GRADE G6100

Composition	Sintered Silicon Carbide
Specific Gravity (g/cm ³)	3.10
Hardness (Shore)	94
Compressive Strength (Mpa)	2503
Flexural Strength (MPa)	448
Modulus of Elasticity (Youngs) GPa	400
C.T.E. (m/m/k)	4.50
Thermal Conductivity (W/mK)	110

THE PHYSICAL CHARACTERISTICS OF THIS MATERIAL VARY SLIGHTLY DUE TO PART SIZE AND CONFIGURATION, THEREFORE THE ABOVE VALUES SHOULD BE CONSIDERED ONLY AS TYPICAL.