

## Typical Properties of TOKAREC C/C Composite

Grade	Density	Electrical Resistivity	Coefficient of Thermal Expansion (CTE)	Thermal Conductivity	Shore Hardness	Flexural Strength	Youngs Modulus
	g/cm <sup>3</sup>	μohm-m	x 10 <sup>-6</sup> /°C	Kcal/m-hr-°C	Shore	Mpa (=N/mm <sup>2</sup> )	Gpa (=kN/mm <sup>2</sup> )
GC-10	1.49	58.0	2.1	3	115	93.2	30.9
GC-20	1.48	42.5	2.1	7.5	105	107.9	30.9
GC-30	1.45	37.5	2.1	14	75	53.9	23.0

TYPICAL IMPURITIES ANALYSIS			
<b>Al</b>	< 0.08 ppm	<b>K</b>	< 0.10 ppm
<b>Ca</b>	< 0.04 ppm	<b>Na</b>	< 0.05 ppm
<b>Cr</b>	< 0.07 ppm	<b>Ni</b>	< 0.10 ppm
<b>Cu</b>	< 0.08 ppm	<b>Ti</b>	< 0.09 ppm
<b>Fe</b>	< 0.04 ppm	<b>V</b>	< 0.07 ppm

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