

**Tokai Isotropic Graphite Data Sheet**

# ***G330S***

## 1. Typical Properties

Specific Gravity	g/cm <sup>3</sup>	1.79
Specific Resistance	μΩm	13.0
Young's Modulus	GPa	9.8
Flexural Strength	MPa	39.2
Tensile Strength	MPa	25.5
Shore Hardness	sHD	56
C.T.E	× 10 <sup>-6</sup> /°C	4.8
Thermal Conductivity	W/mK	104
Pore Size	μm	2.2
Porosity	%	15
Grain Size	μm	13
Gas Permeability	cm <sup>2</sup> /sec	0.21

S=Purified Material

Grade	Impurity (ppm)								Total Ash
	Al	B	Ca	Fe	Ni	Si	Ti	V	
Standard	0.48	1	74	15	1.7	23	28	7.6	300
S	<0.08	<0.7	<0.04	<0.06	<0.1	<1	<0.09	<0.07	<20
SS	<0.08	0.2	<0.04	<0.04	<0.1	<0.1	<0.09	<0.07	<5

All properties measured room temperatures except for C.T.E.

C.T.E. = Coefficient Thermal Expansion (R.T. to 1000°C)

Flexural Strength determined using third point loading

Note: All properties are typical values and are not to be used for specification limits

