

## Typical Metal Impurities Standard Insulation and C/C Composite Grades

Element		Concentration (ppm wt)
Boron	B	1.40
Carbon	C	Matrix
Sodium	Na	175
Magnesium	Mg	1.45
Aluminum	Al	15.8
Silicon	Si	95.0
Potassium	K	4.45
Calcium	Ca	7.60
Titanium	Ti	1.74
Vanadium	V	1.23
Chromium	Cr	2.79
Manganese	Mn	8.22
Iron	Fe	53.25
Nickel	Ni	12.22
Copper	Cu	0.56
Total Elemental Impurities		< 500

**Remarks:**

- 1) Elemental concentrations determined through GDMS (Glow Discharge Mass Spectrometry) analysis.
- 2) Purity levels applicable for all grades which do not include an "H" or "HP" designation.  
(Example: CCP-130-12)