



Typical Metal Impurities Vacuum Purified Insulation and C/C Composites

Element		Concentration (ppm wt)
Boron	B	0.95
Carbon	C	Matrix
Sodium	Na	0.88
Magnesium	Mg	< 0.10
Aluminum	Al	3.00
Silicon	Si	45.0
Potassium	K	< 0.10
Calcium	Ca	32.5
Titanium	Ti	0.95
Vanadium	V	0.66
Chromium	Cr	< 0.50
Manganese	Mn	5.02
Iron	Fe	5.25
Nickel	Ni	0.65
Copper	Cu	< 0.10
Total Elemental Impurities		< 150

Remarks:

- 1) Elemental concentrations determined through GDMS (Glow Discharge Mass Spectrometry) analysis.
- 2) Purity levels applicable for all grades which include an "H" designation.
(Example: CCC-130H-12)