



## Typical Metal Impurities Halogen Purified Insulation and C/C Composites

| Element                    |    | Concentration<br>(ppm wt) |
|----------------------------|----|---------------------------|
| Boron                      | B  | 0.10                      |
| Carbon                     | C  | Matrix                    |
| Sodium                     | Na | 0.50                      |
| Magnesium                  | Mg | < 0.10                    |
| Aluminum                   | Al | 0.15                      |
| Silicon                    | Si | 5.00                      |
| Potassium                  | K  | < 0.10                    |
| Calcium                    | Ca | 0.57                      |
| Titanium                   | Ti | 0.16                      |
| Vanadium                   | V  | 0.07                      |
| Chromium                   | Cr | < 0.50                    |
| Manganese                  | Mn | 0.09                      |
| Iron                       | Fe | 0.50                      |
| Nickel                     | Ni | 0.13                      |
| Copper                     | Cu | < 0.10                    |
| Total Elemental Impurities |    | < 20                      |

Remarks:

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