

### Carbon (Pyrolytic Graphite) (C) Sputtering Targets

|                                  |                           |                            |                           |
|----------------------------------|---------------------------|----------------------------|---------------------------|
| Material Type                    | Carbon                    | Theoretical Density (g/cc) | 2.25                      |
| Symbol                           | C                         | Z Ratio                    | 3.26                      |
| Atomic Weight                    | 12.0107                   | Sputter                    | PDC                       |
| Atomic Number                    | 6                         | Max Power Density          | 80                        |
| Color/Appearance                 | Black, Non-Metallic       | (Watts/Square Inch)        |                           |
| Thermal Conductivity             | 140 W/m.K                 | Type of Bond               | Indium                    |
| Melting Point (°C)               | ~3,652                    | Purity:                    | 99.99%, 99.999%, 99.9999% |
| Coefficient of Thermal Expansion | 7.1 x 10 <sup>-6</sup> /K |                            |                           |