

### Cerium (Ce) Sputtering Targets

|                                         |                           |                                   |                           |
|-----------------------------------------|---------------------------|-----------------------------------|---------------------------|
| <b>Material Type</b>                    | Cerium                    | <b>Theoretical Density (g/cc)</b> | 6.78                      |
| <b>Symbol</b>                           | Ce                        | <b>Z Ratio</b>                    | **1.00                    |
| <b>Atomic Weight</b>                    | 140.116                   | <b>Sputter</b>                    | DC, RF                    |
| <b>Atomic Number</b>                    | 58                        | <b>Max Power Density</b>          | 15                        |
| <b>Color/Appearance</b>                 | Silvery White, Metallic   | <b>(Watts/Square Inch)</b>        |                           |
| <b>Thermal Conductivity</b>             | 11 W/m.K                  | <b>UN Number</b>                  | 1333                      |
| <b>Melting Point (°C)</b>               | 798                       | <b>Purity:</b>                    | 99.99%, 99.999%, 99.9999% |
| <b>Coefficient of Thermal Expansion</b> | 6.3 x 10 <sup>-6</sup> /K |                                   |                           |