

Cerium

High Purity Metal

Characteristics

- ✓ Corrosion-resistant
- ✓ Pyrophoric properties
- ✓ Magnetic properties
- ✓ Good conductivity

Quick Facts

Molecular Formula	:	Ce
Molecular Weight	:	140.12 g/mol
Density	:	6.6g/cm ³
Melting Point	:	795 °C
Boiling Point	:	3360 °C
Thermal Conductivity	:	0.113W/(mK)
Electrical Resistivity	:	75.0 nΩm (at 20 °C)
Thermal Expansion	:	6.3 μm/(mK) (at 25 °C)
Young's Modulus	:	33.6GPa
Specific Heat	:	0.049 Cal/g/K @ 25 °C

Purity : 99.9%

Cerium is a chemical element with the symbol Ce and atomic number 58. Cerium is the second element in the lanthanide series, and while it often shows the +3 oxidation state characteristic of the series, it also exceptionally has a stable +4 state that does not oxidize water. It is also considered one of the rare-earth elements. Commercial applications of cerium include catalysts, additives to fuel to reduce emissions and to glass and enamels to change their color. Cerium Metal is used as additive for special steel, Non-ferric Alloy, Hydrogen Storage Alloy, also reducer for making other Rare Earth metal.

Benefits

- ✓ Used in automatic ignition devices
- ✓ Used in vacuum apparatus as a "getter" for noble gases
- ✓ Used as additive for special steel
- ✓ Non-ferric Alloy
- ✓ Hydrogen Storage Alloy
- ✓ Used in reducer for making other Rare Earth metal.



High Purity Cerium

Available in:

Pieces | Rods | Shots | Chips | Pellets | Wires | Ingots | Bars | Granules



20ZICE4589C



19ZAZG01274G



20ZICE4588M

ISO 9001:2015
CERTIFIED COMPANY

58
Ce
140.1

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