



Characteristics

- Very Ductile
- Lowest melting point
- Lowest density

Quick Facts

Molecular Formula Eυ Molecular Weight 151.97g/mol 5.77g/cm3 Density Melting Point 826°C **Boiling Point** 1527 °C 0.139W/(mK) Thermal Conductivity **Electrical Resistivity** 90.9 $\mu\Omega$ cm (at 20 °C) Thermal Expansion 35.0µm/(mK) (at 25 °C) Young's Modulus 18.2GPa

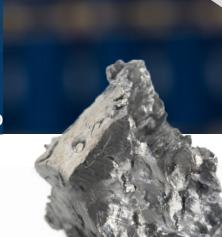
Specific Heat 0.0421 Cal/g/K @ 25 °C

Purity: 99.99%

Europium is a chemical element with the symbol Eu and atomic number 63. Europium is one of the least abundant elements in the universe, with only about 5×10-8% in the entire universe. Europium is a silvery-white rare earth belonging to the lanthanide group. The metal's hardness is comparable to that of lead and it is very ductile. Europium, the most reactive of the rare earth metals, quickly oxidizes in air and resembles calcium in its reactions with water.

Benefits

- Used in the printing of euro banknotes
- Used in manufacture of fluorescent glass
- Europium-doped plastic is used as a laser material.
- Europium-doped plastic is used in making thin superconducting alloys.
- Europium salts are used for newer phosphorescent powder and paints.
- Europium is used as excellent absorber of neutrons, making it valuable in control rods for nuclear reactors



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High Purity

Europium Available in:

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







ISO 9001:2015 CERTIFIED COMPANY

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