

# RARE EARTH

## Data sheet

Rare earth elements/metals are a collection of elements in the periodic that include the fifteen lanthanoids among others with similar chemical properties. These materials are found in relatively high concentrations in the earth's crust, but are more difficult to mine and extract in comparison to transition metals. Separation of these elements is difficult due to the elements having similar chemical properties. Rare earth metals have a variety of uses; rare earth ions are used as the active ions in luminescent materials used in optoelectronics applications and phosphors with rare earth dopants are also widely used in cathode ray tube technology for example.

## Products

Cerium	Dysprosium	Erbium
Europium	Gadolinium	Holmium
Lanthanum	Lutetium	Molybdenum
Neodymium	Niobium	Praseodymium
Samarium	Terbium	Thulium
Ytterbium	Yttrium	Tantalum
Zirconium	Mischmetal	Mixed Rare Earths
Other		

## Technical Specifications

### Cerium

- Cerium Acetate
- Cerium Ammonium Nitrate
- Cerium Carbonate
- Cerium Chloride
- Cerium Hydroxide
- Cerium Metal
- Cerium Nitrate
- Cerium Oxalate
- Cerium Oxide
- Cerium Zirconium Oxides
- Cerium Fluoride
- Cerium Sulphate
- Cerium Polishing Powder

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### **Dysprosium**

- Dysprosium Fluoride
- Dysprosium Metal
- Dysprosium Iron Alloy
- Dysprosium Oxide

### **Erbium**

- Erbium Metal
- Erbium Oxide

### **Europium**

- Europium Nitrate
- Europium Oxalate
- Europium Oxide
- Europium Metal

### **Gadolinium**

- Gadolinium Metal
- Gadolinium Nitrate
- Gadolinium Oxide
- Gadolinium Cerium Oxide

### **Holmium**

- Holmium Oxide
- Holmium Metal

### **Lanthanum**

- Lanthanum Acetate
- Lanthanum Carbonate
- Lanthanum Hydroxide
- Lanthanum Nitrate
- Lanthanum Metal
- Lanthanum Oxide
- Lanthanum Fluoride
- Lanthanum Nickel Alloy

### **Lutetium**

- Lutetium Metal
- Lutetium Oxide

### **Molybdenum**

- Molybdenum Oxide
- Molybdenum Metal Powder

### **Neodymium**

- Neodymium

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- Neodymium Aluminum Alloy
- Neodymium Carbonate
- Neodymium Chloride
- Neodymium Fluoride

#### **Neodymium (cont'd)**

- Neodymium Iron Alloy
- Neodymium Metal
- Neodymium Nitrate
- Neodymium Oxalate
- Neodymium Oxide
- Neodymium Hydroxide
- Neodymium Sulphate

#### **Niobium**

- Niobium Pentoxide

#### **Praseodymium**

- Praseodymium Carbonate
- Praseodymium Metal
- Praseodymium Oxalate
- Praseodymium Oxide
- Praseodymium Nitrate

#### **Samarium**

- Samarium Carbonate
- Samarium Metal
- Samarium Oxide

#### **Terbium**

- Terbium Metal
- Terbium Nitrate
- Terbium Oxide

#### **Thulium**

- Thulium Oxide
- Thulium Metal

#### **Ytterbium**

- Ytterbium Carbonate
- Ytterbium Oxide
- Ytterbium Metal

#### **Yttrium**

- Yttrium Carbonate
- Yttrium Chloride
- Yttrium Metal
- Yttrium Nitrate Crystal
- Yttrium Oxide

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- Yttrium Stabilized Zirconium
- Yttrium Aluminum Alloy

#### **Tantalum**

- Tantalum Metal
- Tantalum Pentoxide

#### **Zirconium**

- Zirconium Carbonate
- Zirconium Oxide
- Zirconium Hydroxide

#### **Mischmetal**

- Cerium Mischmetal
- Cerium Rich Mischmetal
- La Rich Mischmetal

#### **Mixed Rare Earths**

- Mixed Rare Earth Carbonate
- Mixed Rare Earth Chloride
- Mixed Rare Earth Oxide
- Mixed Rare Earth Fluoride
- La-Rich Rare Earth Chloride
- La-Rich Rare Earth Carbonate
- Rare Earth Dried
- Rare Earth Concentrate

#### **Other**

- Calcium Aluminum Alloy
- Calcium Metal
- Calcium Metal Granule
- Calcium Silicide
- Caesium Carbonate
- Gallium Oxide
- Germanium Dioxide
- Lithium Carbonate
- Magnesium Ingot
- Scandium Metal
- Scandium Aluminum
- Scandium Oxide
- Titanium Oxide
- Rubidium Carbonate
- Rubidium Hydroxide
- Rubidium Iodide
- Rubidium Chloride

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