



Chem-Metals & Rare Earth

■ Erbium Oxide



fiber etc.

High Purity Erbium Oxide, pink powder, is insoluble in water, but soluble in acid lightly. It is used as control material of nuclear reactor, raw material of special glass, glass colorant and optic

| | |
|------------------|--------------------------------|
| Formula | Er ₂ O ₃ |
| Appearance | Pink Powder |
| Molecular weight | 382.52 |
| Density | 8.64g/cm ³ |
| Melting Point | 2387°C |
| CAS No. | 12061-16-4 |

| No. | Item | Standard Specification | | | |
|-----|---------------------------------------|--------------------------------|--------|--------|--------|
| 1 | Er ₂ O ₃ /REO ≥ | 99.5% | 99.9% | 99.99% | |
| 2 | REO ≥ | 99.0% | 99.0% | 99.0% | |
| 3 | REO Impurity/REO Max | 0.50% | 0.10% | 0.01% | |
| 4 | Other Impurity Max | Fe ₂ O ₃ | 0.005% | 0.005% | 0.001% |
| | | SiO ₂ | 0.05% | 0.005% | 0.003% |
| | | CaO | 0.05% | 0.01% | 0.001% |
| | | Cl ⁻ | 0.05% | 0.03% | 0.03% |
| 5 | Packing | 25kgs in cardboard drums | | | |

■ Europium Oxide



pigment, fibrous protein solvent etc.

High Purity Europium Oxide is insoluble in water and soluble in acid. It is mainly used as red phosphor activator for colour television set, phosphor for high pressure mercury lamp, and also used for producing

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|------------------|--------------------------------|
| Formula | Eu ₂ O ₃ |
| Appearance | Light Pink |
| Molecular weight | 351.93 |
| Density | 7.42g/cm ³ |
| Melting Point | 2002°C |
| CAS No. | 12020-60-9 |

| No. | Item | Standard Specification | |
|-----|---------------------------------------|--|--|
| 1 | Eu ₂ O ₃ /REO ≥ | 99.999% | |
| 2 | REO ≥ | 99.0% | |
| 3 | Impurity PPM Max each | REO Impurity/REO | La ₂ O ₃ /CeO ₂ /Nd ₂ O ₃ /Tb ₄ O ₇ /Pr ₆ O ₁₁ /Dy ₂ O ₃ 1 |
| | | | Ho ₂ O ₃ /Er ₂ O ₃ /Tm ₂ O ₃ /Yb ₂ O ₃ /Lu ₂ O ₃ /Sm ₂ O ₃ 1 |
| | | Other | Y ₂ O ₃ 2 |
| 4 | Packing | 10/25kgs in plastic bags with vacuum package | |

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