

Technical Data Sheet



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Holmium oxide

Product Identification

Product name : Holmium oxide
Chemical Formula : Ho_2O_3
CAS No. : 12055-62-8

Physical and Chemical Properties

Property	Value / Description
Purity	99% min
Physical State	Solid
Color	Light yellow, yellowish-green, or beige
Density	8.36 – 8.41 g/cm ³
Melting Point	2360 °C
Boiling Point	3900 °C
Solubility in Water	Insoluble
Stability	Chemically stable, can absorb moisture/ CO_2 from air
Reactivity	Reacts with acids to form holmium salts

Applications

Calibration standard for optical spectrophotometers, colorant for cubic zirconia and glass, laser material, phosphors, specialty catalyst, refractories, neutron absorber for nuclear reactors, diamond/copper composite additives, specialty glasses

Packing

1kg net in sealed containers

Shipping Regulations

Not subject to transport regulations

Safety Information

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.