



Chem-Metals & Rare Earth

■ Gadolinium Oxide



Magnetic refrigerant.

High Purity Gadolinium oxide is insoluble in water and soluble in acid. It is mainly used as raw material for Gadolinium Metal, Gd-Fe alloy, Single substrate memory storage, inhibitor and additives. And also finds application in

Formula	Gd ₂ O ₃
Appearance	White Powder
Molecular weight	362.50
Density	7.41g/cm ³
Melting Point	2330°C
CAS No.	12064-62-9

No.	Item	Standard Specification	
1	Gd ₂ O ₃ /REO ≥	99.999%	
2	REO ≥	99.0%	
3	Impurity PPM Max each	REO Impurity/REO	La ₂ O ₃ /Nd ₂ O ₃ /Eu ₂ O ₃ /Tb ₄ O ₇ /Y ₂ O ₃ 1, CeO ₂ /Pr ₆ O ₁₁ /Ho ₂ O ₃ /Er ₂ O ₃ /Tm ₂ O ₃ 0.5 Yb ₂ O ₃ /Lu ₂ O ₃ /Sm ₂ O ₃ 0.5
		Other	Fe ₂ O ₃ 2, SiO ₂ 20, CaO 5, CuO 2, PbO 3, Cl ⁻ 30, NiO 5
4	Packing	10kgs in plastic bags with vacuum package	

■ Holmium Oxide



High Purity Holmium Oxide, yellow powder, is insoluble in water, but soluble in acid, has strong magnetism. It is used in the manufacture of Holmium iron, additive for laser crystal and glass colorant etc.

Formula	Ho ₂ O ₃
Appearance	Yellow Powder
Molecular weight	377.86
Density	8.36g/cm ³
Melting Point	2367°C
CAS No.	39455-61-3

No.	Item	Standard Specification		
1	Ho ₂ O ₃ /REO ≥	99.9%	99.99%	
2	REO ≥	99.0%	99.0%	
3	REO Impurity/REO Max	0.1%	0.01%	
4	Other Impurity Max	Fe ₂ O ₃	0.01%	0.0005%
		SiO ₂	0.01%	0.003%
		CaO	0.01%	0.005%
		Cl ⁻	0.02%	0.02%
5	Packing	10kgs in plastic bags with vacuum package		