



Chem-Metals & Rare Earth

■ Gadolinium



Gadolinium, silvery white metal, has strong ductility, is magnetic in room temperature and stable in dry air, but easy to be oxidized in wet air. It is mainly used in the manufacture of capacitor, magneto-optical materials, magnetic refrigeration materials and X-ray intensification.

Formula	Gd
Appearance	Silvery White
Molecular weight	157.25
Density	7.90g/cm ³
Melting Point	1313°C
CAS No.	7440-54-2

No.	Item	Standard Specification		
1	Gd/RE ≥	99.9%	99.99%	
2	RE ≥	99.0%	99.0%	
3	RE Impurity/RE Max	0.1%	0.01%	
4	Other Impurity Max	Fe	0.02%	0.01%
		Si	0.01%	0.005%
		Ca	0.03%	0.005%
		Mg	0.03%	0.005%
		Al	0.01%	0.005%
5	Packing	50kgs in iron drum with argon protection		

■ Holmium



Holmium, silvery white metal, soft and malleable, it is stable in dry air, but easy to be oxidized at high temperature. It is mainly used as magneto-optical materials and magnetic refrigeration alloy Terfenol-D. Also found application in optical fiber laser, amplifier and sensor.

Formula	Ho
Appearance	Silvery White
Molecular weight	164.9
Density	8.79g/cm ³
Melting Point	1474°C
CAS No.	7440-60-0

No.	Item	Standard Specification		
1	Ho/RE ≥	99.5%	99.9%	
2	RE ≥	99.0%	99.0%	
3	RE Impurity/RE Max	0.5%	0.01%	
4	Other Impurity Max	Fe	0.1%	0.05%
		Si	0.05%	0.03%
		Ca	0.1%	0.05%
		Mg	0.05%	0.03%
5	Packing	50kgs in iron drum with argon protection		