



## Chem-Metals & Rare Earth

### ■ Ytterbium



used in the manufacture of laser crystal, laser glass, optical fiber laser etc.

**Ytterbium**, silvery white metal, soft and malleable, it is stable in air, soluble in acid and alkali, but insoluble in cold water. The ytterbium can increase the density, strength and other mechanical properties of stainless steel. And also

Formula	Yb
Appearance	Silvery White
Molecular weight	173.04
Density	6.54g/cm <sup>3</sup>
Melting Point	824°C
CAS No.	7440-173-2

No.	Item	Standard Specification		
1	Yb/RE ≥	99.5%	99.9%	
2	RE ≥	99.0%	99.0%	
3	RE Impurity/RE Max	0.5%	0.1%	
4	Other Impurity Max	Fe	0.02%	0.01%
		Si	0.02%	0.01%
		Ca	0.05%	0.01%
		Mg	0.05%	0.01%
		Al	0.05%	0.01%
5	Packing	50kgs in iron drum with argon protection		

### ■ Yttrium



material for laser and storage element.

**Yttrium**, dark gray malleable metal, it is stable in dry air, soluble in acid, but insoluble in water and alkali. It is mainly used in the manufacture of special glass and ceramic, magnetic material, fluorescent powder and magnetic bubble

Formula	Y
Appearance	Dark Gray
Molecular weight	89.0
Density	4.69g/cm <sup>3</sup>
Melting Point	1522°C
CAS No.	7440-65-5

No.	Item	Standard Specification		
1	Ho/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	0.05%	0.01%
		Si	0.05%	0.01%
		Ca	0.05%	0.01%
		Mg	0.05%	0.01%
5	Packing	50kgs in iron drum with argon protection		