



■ Gallium Oxide

Gallium Oxide is insoluble in water, soluble in alkali and hot acid. Gallium oxide have broad application prospect in optoelectronic devices, it is used for insulating layer of gallium semiconductor, ultraviolet filter, LED fluorescent powder, target material, etc.



Formula	Ga ₂ O ₃
Appearance	white crystal
Molecular weight	187.44
Melting Point	1740 °C
CAS No.	12024-21-4

No.	Item	Standard Specification			
1	Ga ₂ O ₃ ≥	99.99%	99.999%	99.9999%	
2	Impurity PPM Max each	Pb	8	1.50	0.10
		Na	10	1.00	-
		Mg	3	0.10	-
		Ni	3	0.10	-
		Mn	3	0.10	0.05
		Cr	5	0.50	-
		Ca	5	0.50	0.05
		Al/Fe	10	1.00	0.10
		Co/Cd	5	0.50	0.05
	Cu/Sn	5	0.50	0.10	
3	Size	D50≤4um, -80mesh, 50-100mesh			
4	Crystallographic Form	α or β type			
5	Packing	1kg in plastic bottle			

■ Hafnium Oxide



Hafnium Oxide, is insoluble in water, HCl and HNO₃, but soluble in H₂SO₄ and HF. It is widely used for making hafnium metal, hafnium compounds, refractory material, anti-radioactive coating material, and catalyst. As HfO₂ is a ceramic material with wide band gap and high dielectric constant, it also used in microelectronic field.

Formula	HfO ₂
Appearance	White Powder
Molecular weight	210.49
Density	9.68g/cm ³
Melting Point	2758°C
CAS No.	12055-23-1

No.	Item	Standard Specification					
1	HfO ₂ +ZrO ₂ ≥	99.9%					
2	Impurity PCT Max each	Fe	Mg/Pb/Mo	Ca/Al/Ni	Ti	Cr	Si
		0.002	0.001	0.003	0.007	0.005	0.002
3	Size	-100mesh					
4	Packing	25kgs in plastic bag with cardboard drum outside					