



Chem-Metals & Rare Earth

■ Nickel Oxide



Nickel Oxide, black nickel oxide or green nickel oxide, is used for varistor, picture tube, magnetic materials, thermistor, and also as the adhesive agent and color agent of the enamel, pigment of ceramics, glass catalyst etc.

Formula	NiO	Ni ₂ O ₃
Appearance	Green Crystalline	Black-Dark Gray
Molecular weight	74.71	165.39
Density	6.67 g/cm ³	4.84 g/cm ³
Melting Pointd	1955 °C	600 °C
CAS No.	1313-99-1	1314-06-3

No.	Item	Standard Specification		
		NiO	Ni ₂ O ₃	
1	Grade			
2	Nickel	≥ 77.0%	≥72.0%	
3	Impurity PCT Max each	Co	0.03	0.010
		Cu	0.002	0.002
		Fe	0.005	0.005
		Ca	0.030	0.010
		Na	0.020	0.015
		Mg	0.002	0.008
	Pb	0.003	0.003	
4	Size	≤ 6.0μm	≤4.0μm	
5	Packing	Cardboard drum with plastic bag inside, 25kgs net		