

Nickel Powder (Ni)

Nickel Powder is a high-purity metallic powder produced mainly through carbonyl process or gas atomization. It is widely used in powder metallurgy, nickel-based alloys, batteries, catalysts, welding electrodes, diamond tools, and surface coating applications.



1. Typical Chemical Composition (%)

Products	Ni (min.)	Co (max.)	Fe (max.)	C (max.)	O (max.)	Other impurities
Carbonyl	99.5	0.10	0.10	0.15	0.20	0.20
Atomized	99.7	0.08	0.08	0.05	0.15	0.15
High Purity	99.9	0.05	0.05	0.03	0.10	0.08

2. Typical Particle Size

- -100 mesh, -200 mesh, -325 mesh
- 5–45 µm, 10–75 µm

3. Typical Properties

- **Apparent Density:** 1.8 – 4.0 g/cm³ (grade dependent)
- **Morphology:** Irregular / Spherical

4. Packing: 25 kg steel drums / 500 kg big bags

- Other sizes and specifications are available upon request.