Technical Data Sheet

Spherical Nickel Powder

Product ID:	**2800SPD001 - 2800SPD007**		
Formular:	Ni	**Molecular weight:**	58.69 g/mol
CAS No.:	7440-02-0	**EINECS No.:**	231-111-4
Color:	Gray		

Description: Our spherical nickel powder has a purity of ≥99.5% and can be customized to different particle sizes upon request. It features uniform particle size distribution, high crystallinity, good dispersibility, and high oxidation resistance temperature.

Application: Apply to the internal electrode of Multi-Layered Ceramic Capacitors, pastes of other electronic components, nickel battery, storage battery, catalyst, magneto fluid , special coating and absorbing materials, etc.

Product Image:

1. Sizes
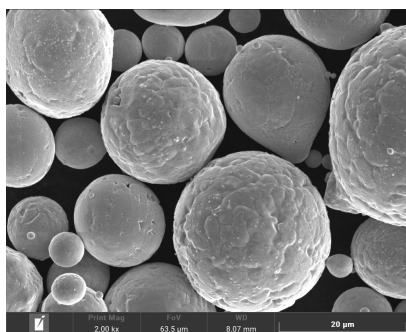
Product ID	Formular	Particle Size
2800SPD001	Ni (99.5%)	0-25 µm
2800SPD002	Ni (99.5%)	15-53 µm
2800SPD003	Ni (99.5%)	45-105 µm
2800SPD004	Ni (99.5%)	53-150 µm
2800SPD005	Ni (99.5%)	$<$100 nm
2800SPD006	Ni (99.5%)	$<$400 nm
2800SPD007	Ni (99.5%)	$<$600 nm
2800SPDDZ	Ni (99.5%)	Customized

2. Chemical compositions

Element Typical Value Purity	Chemical Compositions (wt%)				
	Fe	Co	Mg	Cu	Si
99.5%	≤ 0.05	≤ 0.02	≤ 0.01	≤ 0.05	≤ 0.05

Note: The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.

3. SEM Images

4. Packaging

Bottle/Bag.
Double vacuum packed.
Customized packaging available upon request.

5. Period of Validity

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

5. Handling and Storage

When using, avoid dust generation, keep the area well-ventilated, and stay away from heat and ignition sources.

Store in a cool, dry, and well-ventilated place, tightly sealed and protected from moisture, avoiding contact with oxidizing agents.

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