

Technical Data Sheet

Iron Metal Powder

Product ID: 2600PD001 - 2600PD006

Formular: Fe

Molecular weight: 55.85 g/mol

CAS No.: 7439-89-6

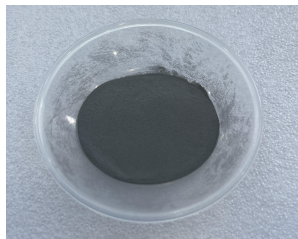
EINECS No.: 231-096-4

Color: Gray

Description: Our iron powder typically has a purity of $\geq 99\%$ and is available in electrolytic iron powder, reduced iron powder, and hydroxide iron powder. It is offered in both micron and nano sizes.

Application: Powder metallurgy, 3D printing, metal spraying, electronics and semiconductor industry, catalyst carriers, etc.

**Product
Image:**



1. Physical Parameters

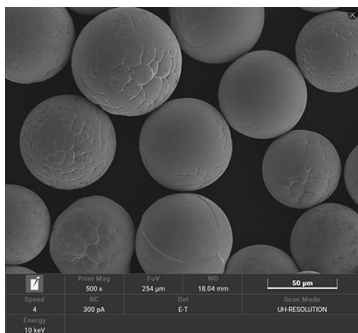
Product ID	Formular	Particle Size	Morphology	Mobility
2600PD001	Fe (99%)	-200 Mesh	Irregular	/
2600PD002	Fe (99.5%)	80-100 nm	Irregular	/
2600PD003	Fe (99.9%)	100-325 Mesh	Spherical	$\leq 20s/50g$
2600PD004	Fe (99.9%)	270-500 Mesh	Spherical	$\leq 25s/50g$
2600PD005	Fe (99.95%)	-200 Mesh	Irregular/Spherical	/
2600PD006	Fe (99.95%)	-325 Mesh	Irregular/Spherical	/
2600PD2NDZ	Fe (99%)	Customized	Irregular	/
2600PD2N5DZ	Fe (99.5%)	Customized	Irregular	/
2600PD3NDZ	Fe (99.9%)	Customized	Spherical	/
2600PD3N5DZ	Fe (99.95%)	Customized	Irregular/Spherical	/

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)					
	Ni	Si	Mn	Cu	Al	Mo
99%	≤ 1000	≤ 1000	≤ 500	≤ 1000	≤ 800	≤ 500
99.5%	≤ 300	≤ 150	≤ 300	≤ 200	≤ 150	≤ 300
99.9%	≤ 150	≤ 80	≤ 150	≤ 100	≤ 80	≤ 100
99.95%	≤ 100	≤ 40	≤ 60	≤ 60	≤ 50	≤ 80

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



99.9% 100-325 Mesh

4. Packaging

Bottled/Bag.

Double vacuum packed.

Custom packaging is available.

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.

6. Handling and Storage

When using, wear protective equipment, avoid inhaling dust, and work in a well-ventilated area.

Store in a dry, cool, and well-ventilated area, avoiding moisture and high-temperature environments.

Contact UsWebsite: www.vimaterial.deEmail: info@vimaterial.de

Tel: 0049 1626484175

Add: Begener Straße 14., 30625 Hannover, Niedersachsen, Germany.