

Iron Powder (Fe)

Iron Powder is a high-purity metallic powder produced through reduction or atomization processes. It is a versatile raw material widely used in powder metallurgy, sintering, friction materials, chemical applications, and as an additive in various industries.



1. Typical Chemical Composition (%)

Products	Fe (min.)	C	O	Si	S	P
Reduced	98.5	≤ 0.05	≤ 0.30	≤ 0.10	≤ 0.02	≤ 0.02
Atomized	99.0	≤ 0.03	≤ 0.25	≤ 0.08	≤ 0.015	≤ 0.015
Electrolytic	99.5	≤ 0.02	≤ 0.15	≤ 0.05	≤ 0.010	≤ 0.010

2. Typical Particle Size

- **Standard:** -100 mesh, -200 mesh, -325 mesh
- **Other sizes:** (0-45 µm, 45-150 µm, etc.) available upon request

3. Typical Properties

- **Apparent Density:** 2.0-4.0 g/cm³ (grade dependent)
- **Flowability:** Variable by grade
- **Morphology:** Irregular / Sponge / Spherical

4. Packing: 25 kg Steel Drums / 500 kg or 1 MT Big Bags with inner liners

- Other sizes and specifications are available upon request.