

HYDROGEN-REDUCED IRON POWDER

Quality Grade: Export First-Class A1 | Compliance: FEPA 42-1:2006 / JIS R6001 / ISO 8486

1. TYPICAL CHEMICAL COMPOSITION (%)

Element	Fe (Metallic)	C	S	P	H2 Loss
Specification	· 98.0 %	· 0.05 %	· 0.03 %	· 0.03 %	· 0.35 %

2. PHYSICAL & MECHANICAL PROPERTIES

Property	Apparent Density	Flow Rate	Compressibility (600MPa)	Sieve Mesh
Specification	2.4 - 2.8 g/cm ³	· 32 s/50g	· 6.80 g/cm ³	80#, 100#, 200#

3. AVAILABLE SIZES & GRIT CLASSIFICATION

- Standard Mesh Grades: 60 Mesh, 80 Mesh, 100 Mesh, 200 Mesh, 300 Mesh.

4. PRIMARY INDUSTRIAL APPLICATIONS

- Powder metallurgy mechanical components (bearings, gears, automotive parts).
- Chemical reduction agent, food preservation oxygen scavengers (deoxidizer packets).
- Welding electrode flux core wire and diamond tool matrix.

5. PACKAGING, CERTIFICATION & EXPORT LOGISTICS

- 25 kg hermetically sealed composite plastic/paper bags with inner foil liner.
- 1000 kg ton bags with vacuum nitrogen moisture barrier.

MANUFACTURER QUALITY STATEMENT & EXPORT GUARANTEE:

Every batch undergoes rigorous XRF chemical analysis, bulk density and laser particle sizing before dispatch.

Export Sales & Technical Consultation: info@ftabrasive.com | WhatsApp / Tel: +86-158-3803-2047Official Portal: <https://ftabrasive.com> | Gongyi City, Zhengzhou, Henan, China

GONGYI FENGTAI

QC APPROVED

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