

# Carbonyl iron NANOPARTICLES

# Fe

Purity  
**99.99%**

**Stock no.**  
**NS6130-12-000739**

**CAS : 7439-89-6**

Carbonyl iron powder (CIP) is an exceptionally fine and pure iron powder with unique morphological properties. Carbonyl iron is a highly pure iron, prepared by chemical decomposition of purified iron pentacarbonyl. carbonyl iron are used as a component of the radar absorbing materials used by the military, in stealth vehicles, for example. Other uses are in powder metallurgy, metal injection molding, and in various specialty products. It is used in powder metallurgy (PM) as well as in the food, chemical and in the electronic industries.

## Technical Specification

Molecular Weight	Density	Melting Point	APS
55.85g/mol	7.86g/cm <sup>3</sup>	1535°C	80-100nm

- Inductive electronic components
- Metal powder injection molding
- Diamond tools
- Microwaves and radar absorption
- Used in production of magnetic ink.

**APS: 80-100nm**



ISO 9001:2015  
CERTIFIED COMPANY



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