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## Carbonyl iron powder 1kg



Product No.:	YTF-03
Shippingtime:	 ca. 3-4 days (abroad may vary)
Stock:	21 pieces
Weight:	1 kg per piece

18

**This product is not for sale for people under 18 years!**

**26.24 USD**

incl. 19% tax excl. [Shipping costs](#)

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ADD TO CART

Check out with **PayPal**

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Financing available from 99 EUR to 5000 EUR cart value



ADD TO WISH LIST



ASK ABOUT PRODUCT

We offer high quality carbonyl iron powder  
This is the world-famous ultra-fine powder  
Screen size distribution: D90 3.86µm / D50 2.29µm / D10 1.3µm  
Density: 3.7 g / cm<sup>3</sup>  
Analysis: Carbon 0.86% / oxygen 0.27% / iron residue

Perfect for 3D printing

Carbonyl iron is a high purity iron produced by the decomposition of purified iron pentacarbonyl  
Carbonyl iron is a gray powder of spherical microparticles  
In the electronics, carbonyl iron is used to produce magnetic cores for high-frequency coils  
Carbonyl-made spherical particles are used as components of radar-absorbing materials in military vehicles, specifically camouflage vehicles  
Other applications are powder metallurgy, metal injection moldings and various special products  
In pharmacy, carbonyl iron powder is used to treat iron deficiency and as an iron supplement  
Carbonyl iron (20-40%) suspended in a carrier liquid is used as a magnetorheological fluid

SAFETY:

Signal word: Warning Toxic

CAS No. 7439-89-6 Iron / 7440-44-0 Carbon / 7782-44-7 Oxygen / 7727-37-9 Nitrogen

Please note:

Harmful if swallowed

Dust or sweat can cause eye irritation

Dust or sweat can cause irritation

Dust or sweat can cause irritation to the respiratory tract, as well as dizziness, nausea or irritation of the nose and throat

May be harmful if swallowed

Flammability: Non-flammable

Wear self-contained respiratory protection and protective clothing. Water spray can be used for cooling

Hazardous decomposition products under fire conditions

Disposal method: Used or unused material should be disposed according to local regulations

Keep away from heat, sparks and open flame

Do not cut, weld, heat, drill or pressurize

Store in a cool, dry, well-ventilated place

Safety glasses, protective gloves and laboratory coats, use eye protection

Flammability: Non-flammable

Water solubility: Slightly soluble in water

The carbonyl iron powder is not classified as a dangerous good

Customers who bought this product bought also the following products:



Copperpowder Flaky 250g (65,-€ / 1kg)

**18.62 USD**

74.48 USD per 1 kilogram



Bronze powder tin bronze 45µm 250g (60,-€...

**17.19 USD**

68.76 USD per 1 kilogram