



The Chemical Company

Product Information

Carbonyl Iron Powder (CIP)

Radar and microwave absorbing materials and coatings with carbonyl iron

BASF's CIP is an exceptionally fine and pure iron powder with unique morphological properties. BASF discovered the process of producing CIP 85 years ago, and is still the world's leading producer. Working with our customers, we use our experience and expertise to develop innovative solutions for a whole spectrum of different applications. The result is a wide range of CIPs tailored to specific needs.

Features

- Excellent absorption of radar and microwaves
- High purity
- Outstanding quality and consistency
- Reliable delivery

CIP in Aerospace Applications

With its unique microstructure, CIP is a good absorber of microwave frequencies. It can easily be incorporated in plastic, elastomeric, or varnish matrices to provide efficient shielding of electronic equipment from electromagnetic interference and minimize reflection of objects exposed to radiation in the radar and microwave frequency bands.

Why use CIP over other materials?

- Excellent absorption above 1 GHz
- Broadband absorption characteristics
- Compatible with most polymer matrices
- Easily compoundable



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