
International Standard



5448

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Ferrochromium — Specification and conditions of delivery

Ferro-chrome — Spécifications et conditions de livraison

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Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 5448 was developed by Technical Committee ISO/TC 132, *Ferroalloys*, and was circulated to the member bodies in July 1980.

It has been approved by the member bodies of the following countries :

Australia	Germany, F.R.	Norway
Austria	India	Poland
Brazil	Iran	Romania
Bulgaria	Ireland	South Africa, Rep. of
Canada	Italy	Sweden
Czechoslovakia	Japan	USA
France	Korea, Rep. of	USSR

The member body of the following country expressed disapproval of the document on technical grounds :

United Kingdom

Ferrochromium — Specification and conditions of delivery

1 Scope and field of application

This International Standard specifies requirements and conditions of delivery for ferrochromium usually supplied for steel-making and foundry use.

2 References

ISO 565, *Test sieves — Woven metal wire cloth and perforated plate — Nominal sizes of apertures.*

ISO 3713, *Ferroalloys — Sampling and preparation of samples — General rules.*¹⁾

ISO 4140, *Ferrochromium and ferrosilicochromium — Determination of chromium content — Potentiometric method.*

3 Definition

3.1 ferrochromium : A master alloy of iron and chromium with a minimum chromium content of 45,0 % by mass, and a maximum chromium content of 95,0 % by mass, obtained by reduction from the corresponding raw materials or their concentrates.

4 Information for ordering

Orders for ferrochromium shall include the following information.

- a) Quantity.
- b) Constitution of consignment.
- c) Standard chromium range in accordance with table 1.
- d) Chemical composition in accordance with the designations given in tables 2 to 9.

e) Particle size ranges in accordance with the designations given in table 10.

f) Necessary requirements for analysis reports, packing, etc., as appropriate.

5 Requirements

5.1 Constitution of consignment

Ferrochromium shall be delivered in consignments constituted by one of the following methods.

5.1.1 Tapped lot method

A consignment constituted by the tapped lot method consists of a ferrochromium mass of one melt (or one part of a continuous tap).

5.1.2 Graded lot method

A consignment constituted by the graded lot method consists of a number of melts (or parts of continuous taps) of one ferrochromium designation.

The chromium content of the melts (or parts of continuous taps) constituting the consignment shall not differ from each other by more than 4 % absolute.

5.1.3 Blended lot method

A consignment constituted by the blended lot method consists of a number of melts (or parts of continuous taps) of one ferrochromium designation, which have been crushed to a particle size less than $x \text{ mm}^{2)}$ and thoroughly mixed.

The content of the main constituent of the melts (or parts of continuous taps) constituting the consignment shall not differ from each other by more than 10 % absolute.

1) At present at the stage of draft.

2) To be defined after further investigation.