



Nickel Discs™ (Canada)

Nickel Discs™ are a high purity form of nickel widely used in melting applications. Nickel Discs™ are produced by a carbonyl refining process at the Copper Cliff Nickel Refinery in Sudbury, Canada.

The controlled and consistent purity of Nickel Discs™ and the advantages associated with its distinctive shape make this product an industry standard for a wide range of demanding melting applications:

- Carbonyl refining produces one of the purest forms of nickel available, allowing for its use in a variety of applications including austenitic stainless steels, low alloy steels, nickel and copper base alloys and cast irons, such as Ni-Hard and Ni-Resist
- High nickel content and low impurity levels allow for its addition as a primary feed material in BOF, EAF, AOD and induction furnaces or for fine tuning additions in ladle metallurgy stations
- Solid metallic nature of product ensures no breakage, dusting and resultant losses during handling
- Distinctive shape results in high packing density, easy flow and permits semi- and fully-automated handling operations

Nickel Discs™ are produced in compliance with the following ISO standards: ISO 9001:2008.

For further information about our products, please visit our website (www.vale.com) or contact a regional sales representative.

Typical Specifications

Form

- Disc-shaped
- Diameter: approximately 14 - 18 mm
- Thickness: approximately 3.5 - 5.5 mm
- Bulk density: approximately 4.9 - 5.6 g/cm³

Packaging

- 250 kg drums, 4 drums per pallet
- 2 tonne bags
- Bulk shipments (inquire for availability)

Typical Chemical Analysis

Contains a minimum of 99.8% (by weight) nickel and trace amounts of other elements.

Nickel determined by difference.

Chemical composition exceeds the following standards: ASTM B39, BS 375, R99.5, NR9980 and ISO 6283.



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2 tonne bag