



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.



**250 kg drums,
4 drums per pallet**

Product Description

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 Analysis (wt %)

Ni*	≥99.98
C	≤0.007
O	≤0.007
Fe	≤0.001
Ca, Cu, N, Na, S, Si	≤0.0005**
Al, As, Bi, Cd, Co, Mn, Mg, P, Pb, Sn, Sb, Zn	≤0.00005**

* Nickel determined by difference.

** For each element listed.



2 tonne bag