



Long Harbour Nickel Assorted Melt Rounds

Assorted Melt Rounds are a high purity form of nickel designed to be the ideal nickel additive for stainless and alloy steel production. Assorted Nickel Melt Rounds are manufactured by electrolytic refining at Vale's Long Harbour Processing Plant in Newfoundland, Canada.

The unique design features of Assorted Melt Rounds and the advantages associated with its distinctive shape and size make it ideally suited for the production of the highest quality stainless and alloy steels.

The main characteristics of this product are:

- High purity, consistent composition.
- High nickel content and low impurity levels allow for its addition at any stage of the alloy-making process.
- The chemical composition and shape allow for its addition as a primary feed material in the BOF, EAF, AOD and induction furnaces or for fine tuning additions in ladle metallurgy stations.
- The solid metallic nature of the product ensures there is no breakage and dusting so there will be no losses during handling.
- Assured to the Copper Mark Joint Due Diligence Standard, in accordance with OECD Due Diligence Guidance for Responsible Supply Chains.
- Carbon intensity is 12.3 t CO₂e/t Ni, including scopes 1, 2, and 3 (upstream) emissions as of the most recent assessment year (2023)¹. Carbon intensity is reassessed on a regular basis.

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



2 tonne bag
(89cm x 89cm x 115cm)

Disclaimer: The product descriptions and specifications contained in this document are made in accordance with our analyses and the methods used to produce Vale's nickel products. While these descriptions and specifications are reflective of normal production lots, rather than each individual piece, such descriptions and specifications shall in no event be deemed or interpreted as any representation, warranty or commitment by Vale in connection with Vale's nickel products quality. Vale's nickel products quality shall be determined only in accordance with the corresponding contract terms for each transaction agreed between Vale and Vale's customer and the quality related certificate issued under such contract.

¹Independent third-party limited assurance to the general principles of ISO 14064-3 has been provided by Intertek Health Sciences Inc. Emissions allocated by economic value.

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Product Description

Form

- Button-shaped pieces of nickel mixed with diversely-sized pieces. The package may contain some discolored pieces

Packaging

- 2 tonne bags on wooden pallets

Typical analysis (wt %)

Contains a minimum of 99.80% (by weight) nickel and trace amounts of other elements.

Nickel determined by difference.

Chemical composition meets ASTM B39.