



# Plating Rounds™

Plating Rounds™ are a high purity form of electrolytic nickel specifically designed for electroplating with titanium anode basket and are one of the lowest carbon intensive nickel products on the market.

The controlled and consistent quality of Plating Rounds™ and their distinctive shape and size make them ideally suited for plating of high quality products:

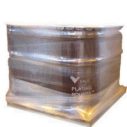
- High purity nickel
- Unique shape prevents the formation of bridges and voids in the basket
- Unique shape ensures good solution flow and mixing through the basket
- Settles uniformly in basket, ensuring uniform current density and high quality deposits
- Flows easily into regular and shaped baskets of various mesh sizes
- Safe to handle (no sharp edges)
- Product is produced in compliance with the following ISO standards: ISO 9001:2015
- Dissolves at 100% anode efficiency in common nickel plating solutions (containing chlorides)
- Carbon intensity is 4.4 tCO<sub>2</sub>e / t Ni. This calculation includes downstream emissions<sup>1</sup> along with both scopes 1 and 2.

Vale's Long Harbour Processing Plant manufactures Plating Rounds™ using a state-of-the-art hydrometallurgical process in Newfoundland, Canada.

**For more information visit [vale.com](http://vale.com), email [plating@vale.com](mailto:plating@vale.com) or contact your regional sales representative.**



10 kg bags, 5 bags per box,  
20 boxes per pallet



250 kg drums,  
4 drums per pallet



2 tonne bag

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.

1. Downstream emissions are emitted after a product or service leaves the company's control/ownership.

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## Product description

### Form

- Button-shaped pieces of nickel
- Diameter: approximately 25-29 mm
- Thickness: approximately 5-12 mm
- Weight per piece: 26-32 grams

### Packing density

Approximately 3.6 g/cm<sup>3</sup> of basket capacity

### Packaging options

- 10 kg bags — 5 bags per box, 20 boxes per pallet (1,000 kgs net weight)
- 250 kg steel drums, 4 drums per pallet
- 2,000 kgs bulk bags

### Typical analysis (wt %)

Ni*	>99.95
Co	<0.030
Cu	<0.0002
C	<0.008
Fe	<0.002
S	<0.001
As	<0.0001
Pb	<0.0001
Zn	<0.0002

\* Nickel determined by difference

