Nickel P-Pellets™ (Canada)

Nickel P-Pellets™ are a high purity form of nickel widely used for electroplating with titanium anode baskets. P-Pellets™ are produced by a unique carbonyl gas refining process at the Copper Cliff Nickel Refinery in Sudbury, Canada.

The controlled and consistent purity of P-Pellets™ and the advantages associated with its distinctive shape make this product ideal for general purpose plating with titanium anode baskets:

- Carbonyl refining produces the purest form of nickel available.
- Unique shape prevents the formation of bridges and voids in the basket.
- Settles uniformly in basket, ensuring uniform current density and high quality deposits.
- Flows easily into regular and shaped baskets with standard mesh sizes.
- Ideal for use with automated basket loading devices.
- Safe to handle (no sharp edges).
- Dissolves at 100% anode efficiency in common nickel plating solutions (containing chlorides).
- Carbon intensity is 7.3 t CO_2e/t Ni, including scopes 1, 2, and 3 (upstream) emissions as of the most recent assessment year (2020). Carbon intensity is reassessed on a regular basis.

Dissolution produces a small amount of metallic residue which can be contained using cloth anode bags.

P-Pellets™ are produced in compliance with the ISO 9001:2015 quality standard.

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

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

1 tonne bag

Product Description

Form

- Spherical pieces of nickel
- Diameter: approximately 8 –12 mm

Packing Density

- Approximately 5.3 g/cm^3 of basket capacity

Packaging

- 10 kg bags, 5 bags per box, 20 boxes per pallet (1,000 kg net weight)
- 1 tonne bulk bags

Typical analysis (wt %)

Ni*	>99.98
Co	<0.00002
Cu	<0.00004
C	<0.007
Fe	<0.0006
S	<0.0001
Pb	<0.000002
Zn	<0.00002

* Nickel determined by difference.

VALE