



Electrolytic Cobalt Rounds

Vale Electrolytic Cobalt Rounds are a high purity, primary form of the metal produced by electrowinning. The unique button shape makes this product safe, convenient to handle and easy to transfer from drums.

Vale Electrolytic Cobalt Rounds are used wherever a high purity form of cobalt is required for example, in the production of cobalt based super alloys. Cobalt is an important constituent of alloys with high temperature performance, corrosion resistance properties and a critical component of a wide variety of magnetic alloy and hard metals.

Vale Electrolytic Cobalt Rounds are also used in the manufacture of cobalt containing salts, such as cobalt sulfate and cobalt nitrate. Cobalt is often an important constituent of ceramics and related materials. Electrolytic Cobalt Rounds are also used as anode material in plating baskets for electrodepositing pure cobalt and nickel cobalt alloy coatings for a variety of applications.

The consistent purity and convenient form of Electrolytic Cobalt Rounds are distinct advantages of this premium product.

Carbon intensity is 32.3 t CO₂e/t Co, 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.

Quality Management Systems for the production, packaging and marketing of Electrolytic Cobalt Rounds have been registered and comply with the requirements of ISO Standard 9001:2015.

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



Drum Size
0.002 m³
(0.057 Cu.ft.)

Net product weight
250 kg (551) lbs



Pallet Dimensions
74 cm x 74 cm x 72 cm high
(29 in. x 29 in. x 27 in. high)

Approx. Gross Weight
1040 kg (2293 lbs)

Product Description

Form

- Button-shaped pieces of electrolytic cobalt, about 35 mm (1.4 in.)

Bulk Density

- Approximately 3800 to 4200 kg/m³ (240 to 260 lb/ft).

Packaging

- 250 kg (551 lb) steel drums; 4 drums strapped per pallet; Net weight 1000 kgs (2204 lb).

Typical analysis (%)

Cobalt	99.9
Nickel	0.095
Bismuth	<0.00002
Nitrogen	0.0004
Carbon	0.0025
Oxygen	0.007
Copper	0.00005
Selenium	0.0001
Hydrogen	0.0004
Sulphur	0.0005
Iron	0.0004
Zinc	0.0008
Lead	0.0003

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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