

Vale Inco Electrolytic Nickel R-Rounds

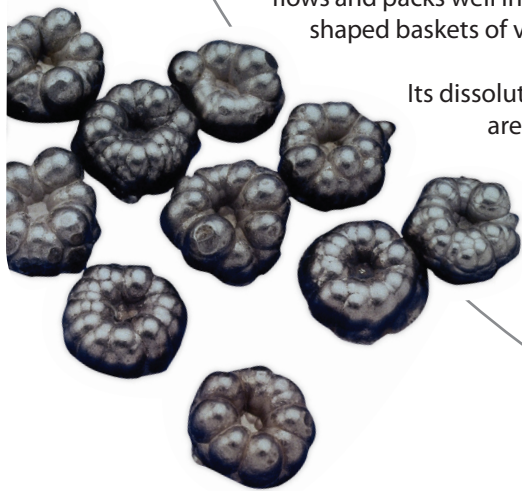
Ni



Vale Inco Electrolytic Nickel R-Rounds is the world's most popular non-activated anode material for general purpose plating with baskets.

It has an ideal shape for use with titanium anode baskets. The button shape prevents bridging of the material as it is dissolved and helps the load settle uniformly in the basket.

Vale Inco Electrolytic Nickel R-Rounds is safe to handle, with no sharp corners and is supplied in convenient 10 kg (22 lb) bags. The product flows and packs well into all standard and shaped baskets of various mesh sizes.



Its dissolution characteristics are typical of those of non-activated nickel-anode materials. It dissolves nonuniformly producing a tiny amount

of metallic residue; it is essential to have chlorides present in the electroplating solution for R-Rounds Electrolytic Nickel to dissolve efficiently.

The advantages associated with its shape...improved settling in baskets, safe handling, improved flowability compared to squares of various sizes...have made this the preferred non-activated product for nickel plating worldwide.

Quality Management Systems for the production, packaging and marketing of R-Rounds Electrolytic Nickel have been registered and comply with the requirements of ISO Standard 9001:2000.

Vale Inco Limited
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Typical Specifications

Form

- Button-shaped pieces of nickel approximately 23 mm (0.90 in.) diameter and about 8 mm (0.32 in.) thickness.

Packing Density

- About 4.6 kg/dm (0.17 lb/in.) of basket capacity.

Packaging

- 10 kg (22 lb) plastic bags; 5 bags per box; 20 boxes per pallet; stretch-wrapped. Net weight 1000 kg (2204 lb).
- 250 kg (551 lb) steel drums; 4 drums per pallet; stretch wrapped. Net weight 1000 kg (2204 lb).
- 2000 kg (4408 lb) bulk bag.

Typical Chemical Analysis (percent)

Nickel plus Cobalt 99.99

Cobalt 0.064	Arsenic 0.0012
Copper 0.001	Lead 0.0005
Carbon 0.003	Zinc 0.0001
Iron 0.0005	Sulfur 0.0003

Exceeds the chemical requirements ASTM B 39 and ISO 6283, NR9980