

# NICKEL HP® - PLATING GRADE HIGH PURITY ELECTROLYTIC NICKEL



## OUTSTANDING PURITY AND RELIABILITY

Benefiting from the combined effects of a stable supply of feed from ERAMET's own mines in New Caledonia and a unique production process at ERAMET's Le Havre-Sandouville nickel refinery, NICKEL HP® is one of the purest electrolytic nickel metals in the world.

NICKEL HP® Plating Grade is a non-activated electrolytic nickel with an excellent thickness and dissolution properties, which makes it an ideal material for mainstream electroplating. Added to nickel chloride, for which ERAMET is the world's largest producer, NICKEL HP® has enabled ERAMET to be recognized for the past 30 years in the most demanding applications of the electroplating industry such as the aerospace and automotive sectors.



**ERAMET**

# NICKEL HP® - PLATING GRADE HIGH PURITY ELECTROLYTIC NICKEL

## SPECIFICATIONS

	Typical	Guaranteed
Nickel	99.99 %	Min. 99.97 %
Carbon	0.0016 %	Max. 0.0050 %
Cobalt	< 0.0001 %	Max. 0.0003 %
Copper	< 0.0002 %	Max. 0.0010 %
Iron	0.0009 %	Max. 0.0030 %
Lead	< 0.0001 %	Max. 0.0002 %
Phosphorous	0.0002 %	Max. 0.0002 %
Sulphur	0.0003 %	Max. 0.0005 %
Zinc	0.0001 %	Max. 0.0005 %
Arsenic	< 0.0001 %	
Cadmium	< 0.0001 %	

95% of the last two years' production is within the typical values stated above.

## REGULATIONS

NICKEL HP® exceeds the requirements of ISO 6283, NF A54-100, ASTM B39-79, and DIN 1701 and is a fully registered LME brand.

NICKEL HP® is produced and sold in accordance with the REACH Regulation (EC N°1907/2006) of the European Parliament and the Council of Ministers.

The NICKEL HP® MSDS document is available in different languages with the latest up-to-date version on [www.eramet.fr](http://www.eramet.fr) and [www.quickfds.fr](http://www.quickfds.fr).

## PACKAGING



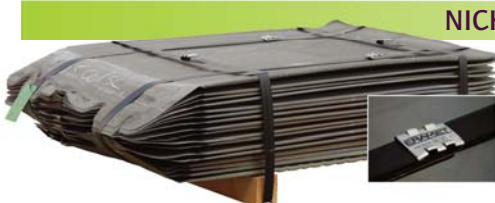
### NICKEL HP® - Squares

- 4" x 4" (100 x 100 mm)** - Indicative thickness 12-15 mm
    - 250 kg net per drum (551 lbs), 6 drums per pallet
    - Net weight: 1500 kg (3307 lbs) per pallet
    - Gross weight: 1565 kg (3450 lbs) approximately per pallet
  - 2" x 2" (50 x 50 mm)** - Indicative thickness 12-15 mm
    - 300 kg net per drum (661 lbs), 6 drums per pallet
    - Net weight: 1800 kg (3968 lbs) per pallet
    - Gross weight: 1865 kg (4112 lbs) approximately per pallet
- Pallet dimensions: 1200 (L) x 800 (W) x 915 (H) mm



### NICKEL HP® - Strips

- Strips (600 x 150 mm)** - Indicative thickness 12-15 mm
  - Pallet of 100 Strips
  - Net weight: 1110 kg (2447 lbs) approximately per pallet
  - Gross weight: 1145 kg (2525 lbs) approximately per pallet
  - Pallet dimensions: 1200 (L) x 800 (W) x 310 (H) mm



### NICKEL HP® - Full Plate Cathodes

- Cathode size (1300 x 770 mm)** - Indicative thickness 12-15 mm
    - 16-17 untrimmed Full Plate Cathodes per bundle
    - Strapped to wooden skids
    - Net weight: 1500 kg (3307 lbs) approximately per pallet
    - Gross weight: 1507 kg (3323 lbs) approximately per pallet
- All wooden pallets and skids are ISPM15 compliant.

Contact and information : [info.nickel@erametgroup.com](mailto:info.nickel@erametgroup.com)



**ERAMET**



The quality management system for the production of all the nickel metal products at ERAMET's Le Havre-Sandouville nickel refinery is certified ISO 9001/2000 by Bureau Veritas and ISO 14001/2004 by Lloyds.