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NICKEL PELLETS 鎳珠





ABOUT NICKEL 關於鎳金屬



Nickel is a natural metallic element with a silver-white color, slightly tinged with a pale gold hue.

鎳是一種天然金屬元素，呈銀白色，略帶淡金色。

It possesses excellent mechanical strength and ductility, insoluble in water, and exhibits strong resistance to corrosion from acids and alkalis, but it is easily soluble in dilute nitric acid and aqua regia.

具有良好的機械強度和延展性，不溶於水，對酸和鹼的抗蝕能力很強，但易溶於稀硝酸和王水中。

It is resistant to high temperatures, with a melting point of 1455°C and a boiling point of 2730°C, and has a density of 8.902g/cm³.

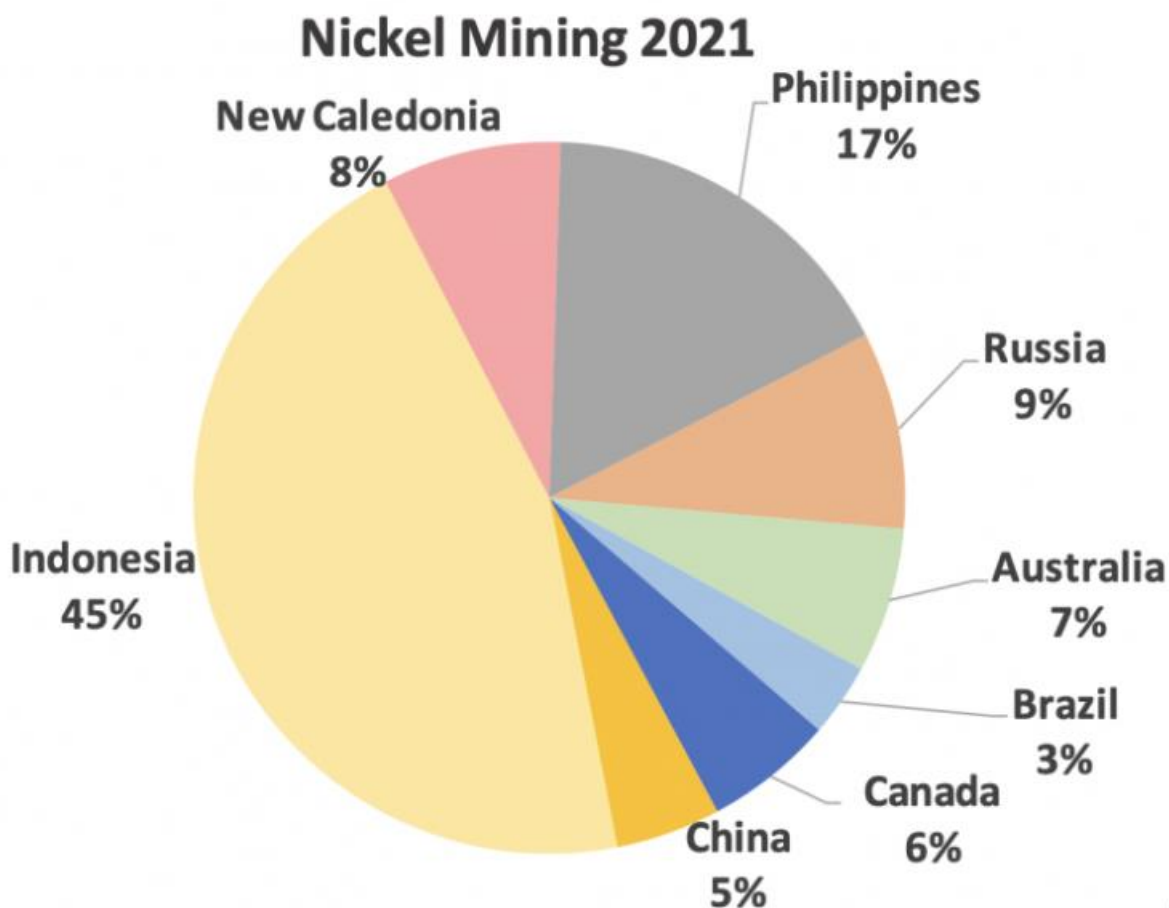
耐高溫，熔點 1455 °C，沸點 2730 °C，密度為 8.902g/cm³



NEKEL ORE DISTRIBUTION 鎳礦分布占比

Indonesia, the Philippines, and Russia together account for approximately 56% of the world's nickel production.

印尼、菲律賓和俄羅斯約佔全球鎳礦產量的 56%。





PRODUCT FEATURES 商品特點

※Nickel belongs to the transition metals and is characterized by its hardness and ductility. It can be highly polished and finds extensive use in stainless steel manufacturing.

鎳屬於過渡金屬，質硬，具延展性。可被高度磨光。大量用在不鏽鋼製造上。

※The nickel content in nickel pellets is typically between 99.8wt% and 100wt%. Among all commercially available forms of nickel, nickel pellets have the lowest amount of metallic impurities.

鎳珠的鎳含量為 99.8wt%-100wt%，在任何商業化的鎳的形式裡，鎳珠含有最低的金屬雜質量。

※Produced using the carbonyl gas method, resulting in high purity and minimal residue. They significantly extend the maintenance cycle of nickel baths and are widely used in the electroplating industry.

採用羰基氣體法生產，純度高，殘渣少，極大延長鎳槽保養周期，廣泛應用於電鑄行業。

※With a spherical shape and exceptional flowability that surpasses other nickel anode products, they are suitable for semi-automatic/automatic filling, making them the preferred choice for high-quality electroplating nickel.

形狀呈球形，具有其他鎳陽極產品無法媲美的流動性，適用於半自動/全自動填裝，是高品質電鑄用鎳的優先選擇。

※Application: Mainly used for high-quality electroplating in industries such as electroplating, connectors, LED, lasers, optical discs, inductors, capacitors, electronic components, and more.

用途：主要用於電鑄、連接器、LED、鐳射、光盤、電感、電容、電子元器件等行業高品質電鍍。



OVERVIEW OF CLASSIFICATION 分類概況

(A) SULFUR NICHEL PELLETS (A)含硫鎳珠

Sulfur-containing nickel pellets with diameters of φ 6-8mm and φ 6-14mm, with a nickel content of 99.98% and sulfur content ranging from 0.015% to 0.027%.

含硫鎳珠，直徑 φ 6-8mm 和 φ 6-14mm，其中鎳含量 99.98%，硫含量 0.015-0.027%。

(B) SULFUR-FREE NICHEL PELLETS (B)不含硫鎳珠

Sulfur-free nickel pellets with a diameter of φ 6-14mm, with a nickel content of 99.98%. 不含硫鎳珠，直徑 φ 6-14mm，其中鎳含量 99.98%。

CHEMICAL COMPOSITION 化學成份

Sulfur-containing nickel pellets available in the market have a sulfur content ranging from 0.015% to 0.023%.

在市場銷售的含硫鎳珠，含硫 0.015%~0.023%

When the nickel contains 0.02% to 0.04% of sulfur, its reactivity is higher. Below or above this range, the reactivity decreases.

當鎳中含有 0.02%~0.04%的硫以後，活性較高。低於或高於這個範圍時，則活性下降。

典型化學成份分析(%)		Chemical Analysis(wt%)	
鎳	>99.97	Ni	>99.97
鈷	<0.00001	Co	<0.00001
銅	<0.00004	Cu	<0.00004
碳	<0.005	C	<0.005
鐵	<0.009	Fe	<0.009
硫	~0.011	S	~0.011
鉛	<0.000001	Pb	<0.000001
鋅	<0.00002	Zn	<0.00002