



宝鸡难熔金属开发公司

Bao Ji Refractory Metal Developer Co.,Ltd

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NICKEL PRODUCTS

● PURE NICKEL——Plate/Sheet/Foil

✧ Products properties:

- Melting point—1453℃
- Boiling Point—2732℃
- Density —8.9g/cm³
- Nonmagnetic, Non-toxic and high electrical conductivity
- Excellent resistance to electrochemical corrosion and good resistance to effect of heat

✧ Range of use:

- Food processing equipment.
- Chemical process.
- Caustic handling equipment.
- Application of high pressure oxygen flam-retardant alloy.
- Reactors and vessels in which fluorine is generated and reacted with hydrocarbons.
- Sulfuric acid factory usage for heating pipe,container, basket,chain and so on.
- Cooling heat exchanger, marine product pipeline system and gas pipeline of acidic environment.
- Heat exchanger, steam machine, washing, impregnation pipe, etc. For phosphoric acid produce.

❖ Chemical Composition:

Grade	Chief component %	Impurities max %														
		Ni+Co	Cu	Si	Mn	C	Mg	S	P	Fe	Pb	Bi	As	Sb	Zn	Cd
N4	99.9	0.015	0.03	0.002	0.01	0.01	0.001	0.001	0.04	0.001	0.001	0.001	0.001	0.005	0.001	0.001
N6	99.5	0.10	0.10	0.05	0.10	0.10	0.005	0.002	0.10	0.002	0.002	0.002	0.002	0.007	0.002	0.002

Note:

NUS N02201 (ASTM B 162) same as N4 (GB/T 2054).

NUS N02200 (ASTM B 162) same as N6 (GB/T 2054).

❖ Specification

Thickness (mm)	Width (mm)	Length (mm)
0.015-0.030	100	—
>0.030-0.100	150	—
>0.100-0.300	200	1000
>0.300-1.500	300	1000
>1.500-10.00	600	1000

Note: All the products can be supplied in according to customer's requirement.

❖ Tolerance

Thickness (mm)	Thickness Tolerance (mm)	
	I	II
0.05-0.09	±0.005	±0.003
>0.09-0.15	±0.010	±0.007
>0.15-0.30	±0.015	±0.010
>0.30-0.45	±0.020	±0.015
>0.45-0.55	±0.025	±0.020
>0.55-0.85	±0.030	±0.025
>0.85-0.95	±0.035	±0.030
>0.95-1.20	±0.040	±0.035
>1.2-1.5	±0.090	±0.110
>1.5-2.5	±0.110	±0.130
>2.5-4.0	±0.130	±0.150
>4.0-6.0	±0.350	±0.400
>6.0-8.0	±0.400	±0.500
>8.0-10.0	±0.500	±0.600

Note: Special demands on tolerance available.

❖ Products show:

