



宝鸡难熔金属开发公司

Bao Ji Refractory Metal Developer Co.,Ltd

Office Address:F10 Ronking International Mansion,No.61 GaoXin Road,Bao Ji Shaan Xi ,China

Tel:0086-917 3315889 Fax:0086-917 3313889

NIOBIUM PRODUCTS

● PURE NIOBIUM—Plate/Sheet/Foil

❖ Products Properties:

- High melting point—2468℃
- Low vapor pressure
- Excellent chemical stability
- Excellent resistance to electrochemical corrosion
- High boiling Point—4742℃
- Good cold processability
- High dielectric constant

❖ Chemical Composition:

		Chemistry %												
Grade	Nb	Impurities max												
		Zr	Ti	C	N	O	H	Ta	Fe	Si	W	Ni	Mo	Cr
Nb1	Remainder	0.02	0.002	0.01	0.015	0.015	0.001	0.10	0.005	0.005	0.03	0.005	0.010	0.002
Nb2	Remainder	0.02	0.005	0.02	0.05	0.025	0.005	0.25	0.03	0.02	0.05	0.01	0.050	0.01

❖ Specification:

Description	Thickness (mm)	Width (mm)	Length (mm)
Foil	0.03-0.09	30~150	<2000
Sheet	0.10-0.5	30~600	30~2000
Plate	0.5~10	50~1000	50~2000

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

❖ **Tolerance**

Thickness, inch (mm)	Tolerance, +/-inch (mm)	
	Width < 6 inch (152mm)	Width < 6~24 inch (152~610mm)
0.005~0.010(0.13~0.25)	0.0005 (0.013)	0.001(0.025)
0.011~0.015 (0.28~0.38)	0.0007 (0.018)	0.001(0.025)
0.016~0.020 (0.41~0.51)	0.0008 (0.020)	0.0015(0.038)
0.021~0.030(0.53~0.76)	0.0015 (0.038)	0.0025(0.064)
0.031~0.060(0.79~1.52)	0.0025(0.064)	0.0035(0.089)
0.061~0.090(1.55~2.29)	0.004 (0.102)	0.005(0.127)
0.091~0.125(2.31~3.18)	0.006(0.15)	0.007(0.18)
0.126~0.187(3.20~4.75)	0.010(0.25)	0.010(0.25)

Note:Special demands on tolerance available.

