

SINODEVICES GROUP LIMITED
TANTALUM PRODUCTS DEPT



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钽制品 Tantalum Products



钽材成分表 CHEMISTRY TABLE

成分 Chemistry		%										
牌号 Grade	主要成分 Chief component	杂质含量 Impurity 不大于 Maximum										
	Ta	Nb	Fe	Si	Ni	W	Mo	Ti	O	C	H	N
Ta1	余量 Remainder	0.04	0.005	0.005	0.002	0.01	0.01	0.002	0.015	0.01	0.0015	0.005
Ta2	余量 Remainder	0.10	0.01	0.005	0.005	0.04	0.02	0.005	0.03	0.01	0.0015	0.010

用户如有特殊要求，双方具体商定
Special requirements to be agreed on by the supplier and buyer of negotiations

钽箔、钽片、钽板、喷丝头钽片

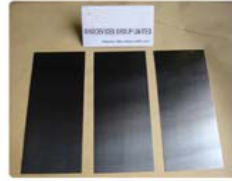
Tantalum foil、Tantalum sheet、Tantalum board, Spinneret Tantalum sheet

牌号 Grade:RO5200(Ta1,Ta2)

纯度 Purity: 99.95% (最大 Max: 99.99%)

执行标准 Standard: ASTM B708-05, GB/T3629-2006

规格 Size:



	厚度 (毫米) Thickness (mm)	宽度 (毫米) Width (mm)	长度 (毫米) Length (mm)
箔材 foil	0.05-0.09	30-150	50-800
片材 sheet	0.1-0.5	30-304.8	30-1000
板材 board	0.5-10	50-800	50-2500

钽溅射靶材

Tantalum sputtering target

牌号 Grade:RO5200(Ta1,Ta2)

纯度 Purity: 99.95% (最大 Max: 99.99%)

执行标准 Standard: ASTM B708-05, GB/T3629-2006

圆靶材规格 Circular targets:

直径 Diameter (25-400) mm 厚度 Thickness(3-28)mm

方靶材规格 Rectangular targets:

厚度 Thickness(1-20)mm 宽度 Width (10-1000) mm

长度 Length (200-2000) mm

再结晶 Recrystallization: $\geq 95\%$

表面粗糙度 Surface finish: Ra0.8-1.6

平整度 Flatness:0.1mm 或 or 0.10%取最大值 Maximize the value

直径公差 Diameter tolerance: ± 0.254 mm



钽棒、钽杆

Tantalum Rod, Tantalum Bar

牌号 Grade:RO5200(Ta1,Ta2)

纯度 Purity: 99.95% (最大 Max: 99.99%)

执行标准 Standard: ASTM B365-98 (2004), GB/T14841-2006

规格 Size: $\phi 4$ - $\phi 110$ mm



钽丝

Tantalum Wire

牌号 Grade:RO5200(Ta1,Ta2)

纯度 Purity: 99.95% (最大 Max: 99.99%)

执行标准 Standard: ASTM B365-98 (2004), GB/T14841-2006

规格 Size: $\phi 0.3$ - $\phi 4$ mm



钽管

Tantalum Tube

牌号 Grade:RO5200(Ta1,Ta2)

纯度 Purity: 99.95% (最大 Max: 99.99%)

执行标准 Standard: ASTM B521-98 (2004), GB/T8182-2006

规格 Size: 直径 Diameter: ϕ 2.0- ϕ 90mm 厚度 Thickness: 0.2-10mm

长度 Length: 100-6500mm



其他钽制品

Other Tantalum Products

钽坩埚 Tantalum Crucible 钽圆环 Tantalum Ring

钽舟 Tantalum Boat 钽螺母 Tantalum Ring

钽螺钉 Tantalum Screw 钽加热制品 Tantalum Heater

钽异形件 Tantalum Parts with abnormal shape



铌制品 Niobium Products



铌材成分表 CHEMISTRY TABLE

成分 Chemistry		%									
牌号 Grade	主要成分 Chief component	杂质含量 Impurity 不大于 Maximum									
	Nb	Fe	Si	Ni	W	Mo	Ti	O	C	H	N
Nb1	余量 Remainder	0.005	0.005	0.005	0.03	0.01	0.002	0.01	0.01	0.0015	0.01
Nb2	余量 Remainder	0.01	0.005	0.005	0.03	0.01	0.005	0.025	0.01	0.0015	0.01

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铌箔、铌片、铌板

Niobium Foil、Niobium Sheet、Niobium Board

牌号 Grade:RO4200-1,RO4210-2

纯度 Purity:99.95%

执行标准 Standard: ASTM B393-05, GB/T3630-2006

规格 Size:



	厚度 (毫米) Thickness (mm)	宽度 (毫米) Width (mm)	长度 (毫米) Length (mm)
箔材 foil	0.05-0.09	30-150	50-800
片材 sheet	0.1-0.5	30-304.8	30-1000
板材 board	0.5-10	50-800	50-2500

铌溅射靶材

Niobium Sputtering Target

牌号 Grade 纯度 Purity: 99.95%

执行标准 Standard: ASTM B393-05, GB/T3630-2006

圆靶材规格 Circular targets:

直径 Diameter (25-400) mm 厚度 Thickness(3-28)mm

方靶材规格 Rectangular targets:

厚度 Thickness(1-20)mm 宽度 Width (10-1000) mm

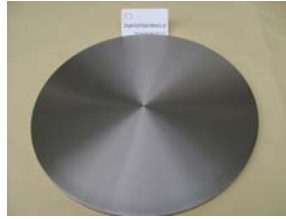
长度 Length (200-2000) mm

再结晶 Recrystallization: $\geq 95\%$

表面粗糙度 Surface finish: Ra0.8-1.6

平整度 Flatness: 0.1mm 或 0.10%取最大值 Maximize the value

直径公差 Diameter tolerance: ± 0.254 mm



铌棒、铌杆

Niobium Rod, Niobium Bar

牌号 Grade: RO4200-1, RO4210-2

纯度 Purity: 99.95%

执行标准 Standard: ASTM B392-03, GB/T14842-2006

规格 Size: $\phi 4$ - $\phi 110$ mm



铌丝 (含铌锆丝)

Niobium Wire (Niobium Zirconium Wire)

牌号 Grade: RO4200-1, RO4210-2

纯度 Purity: 99.95%

执行标准 Standard: ASTM B392-03, GB/T14842-2006

规格 Size: $\phi 0.4$ - $\phi 4$ mm



铌管

Niobium Tube

牌号 Grade: RO4200-1, RO4210-2

纯度 Purity: 99.95% (最大 Max: 99.99%)

执行标准 Standard: ASTM B394-03, GB/T8183-2006

规格 Size: 直径 Diameter: $\phi 3.0$ - $\phi 90$ mm 厚度 Thickness: 0.2-10mm

长度 Length: 200-6500mm



其他铌制品

Other Niobium Products

铌坩埚 Niobium Crucible

铌圆环 Niobium Ring

铌舟 Niobium Boat

铌螺母 Niobium Ring

铌螺钉 Niobium Screw

铌加热制品 Niobium Heater



钽异形件 Niobium Parts with abnormal shape

钽铌合金 Tantalum Niobium Alloys

钽铌合金成分表 CHEMISTRY TABLE

成分 Chemistry												%
牌号 Grade	主要成分 Chief component		杂质含量 Impurity 不大于 Maximum									
	Ta	Nb	Fe	Si	Ni	W	Mo	Ti	O	C	H	N
TaNb3	余量 Remainder	<3.5	0.03	0.03	0.005	0.04	0.03	0.005	0.03	0.01	0.0015	0.005
TaNb20	余量 Remainder	17.0~23.0	0.01	0.005	0.005	0.04	0.02	0.005	0.03	0.01	0.0015	0.010
TaNb30	余量 Remainder	28.0~32.0	0.01	0.005	0.005	0.04	0.02	0.005	0.03	0.01	0.0015	0.010
TaNb40	余量 Remainder	38.0~42.0	0.01	0.005	0.005	0.04	0.02	0.005	0.03	0.01	0.0015	0.010

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钽铌合金溅射靶材 (Ta Nb3, Ta Nb20, Ta Nb30, Ta Nb40)

Tantalum Niobium Alloy Target

- 公差及尺寸参照钽靶材
- Please refer to the size and tolerance of Tantalum target

钽铌合金片材及板材 (Ta Nb3, Ta Nb20, Ta Nb30, Ta Nb40)

Tantalum Niobium Alloy Sheet and Board

- 公差及尺寸参照钽片材及板材
- Please refer to the size and tolerance of Tantalum Sheet and Board

钽铌合金棒材及丝材 (Ta Nb3, Ta Nb20, Ta Nb30, Ta Nb40)

Tantalum Niobium Alloy Rod and Wire

- 公差及尺寸参照钽棒材及丝材
- Please refer to the size and tolerance of Tantalum Rod and Wire

钽铌合金管材 (Ta Nb3, Ta Nb20, Ta Nb30, Ta Nb40)

Tantalum Niobium Alloy Tube

- 公差及尺寸参照钽管材
- Please refer to the size and tolerance of Tantalum Tube

其他钽铌合金制品 (Ta Nb3, Ta Nb20, Ta Nb30, Ta Nb40)

Other Tantalum Niobium Alloy Products

- 公差及尺寸参照其他钽制品
- Please refer to the size and tolerance of Other Tantalum Products

钽钨合金 Tantalum Tungsten Alloy
钽钨合金成分表 CHEMISTRY TABLE

成分 Chemistry		%									
牌号 Grade	主要成分 Chief component	杂质含量 Impurity 不大于 Maximum									
	Nb	Fe	Si	Ni	W	Mo	Ti	O	C	H	N
Ta2.5W	余量 Remainder	0.005	0.005	0.002	3	0.01	0.002	0.01	0.02	0.001 5	0.01
Ta10W	余量 Remainder	0.01	0.005	0.002	11	0.01	0.005	0.022	0.02	0.001 5	0.01
用户如有特殊要求，双方具体商定 Special requirements to be agreed on by the supplier and buyer of negotiations											

钽钨合金溅射靶材 (Ta2.5W, Ta10W)

Tantalum Tungsten Alloy Target

- 牌号 Grade: RO5252,RO5255
- 公差及尺寸参照钽靶材
- Please refer to the size and tolerance of Tantalum target

钽钨合金片材及板材 (Ta2.5W, Ta10W)

Tantalum Tungsten Alloy Sheet and Board

- 牌号 Grade: RO5252,RO5255
- 公差及尺寸参照钽片材及板材
- Please refer to the size and tolerance of Tantalum Sheet and Board

钽钨合金棒材及丝材 (Ta2.5W, Ta7.5W, Ta10W)

Tantalum Tungsten Alloy Rod and Wire

- 牌号 Grade: RO5252,RO5255
- 公差及尺寸参照钽棒材及丝材
- Please refer to the size and tolerance of Tantalum Rod and Wire

钽钨合金管材 (Ta2.5W, Ta10W)

Tantalum Tungsten Alloy Tube

- 牌号 Grade: RO5252,RO5255
- 公差及尺寸参照钽管材
- Please refer to the size and tolerance of Tantalum Tube

其他钽钨合金制品 (Ta2.5W, Ta10W)

Other Tantalum Tungsten Alloy Products

- 牌号 Grade: RO5252,RO5255
- 公差及尺寸参照其他钽制品
- Please refer to the size and tolerance of Other Tantalum Products