

Technical Data Sheet

Product Name: Tantalum Tungsten Tube/Pipe
Catalog No.: TA0013
Standard: ASTM B521-98
Size: Customized
Color: Grey
Grade: R05252 (Ta-2.5W); R05255 (Ta-10W)



Specification

Form	O.D. (mm)	Width (mm)	Length (mm)	Standard	Purity
Tube	1.0-150	0.2-5.0	200-6000	ASTM B521-98	≥99.95%
Pipe					99.9%

Chemical Composition (% Max.)

Element	C	O	N	H	Fe	Mo	Nb	Ni	Si	Ti	W
R05255	0.01	0.015	0.01	0.0015	0.01	0.02	0.1	0.01	0.005	0.01	9.0-11.0
R05252	0.01	0.015	0.01	0.0015	0.01	0.02	0.5	0.01	0.005	0.01	2.0-3.5

Properties

Properties	Unit	Value
Density	g/cm ³	16.9
Melting Point	°C	3035
Recrystallization Temperature	-	One hour at 2400-2800°F
Tensile Strength	psi	40,000-70,000
Elongation at break	%	30
Modulus of Elasticity	(GPa)	205-207
Electrical resistivity	μOhmcm	17.6

Stanford Advanced Materials

By..... *Woman*