

## Technical Data Sheet

**Product Name:** Tantalum Tungsten Wire  
**Catalog No.:** TA0015  
**Standard:** ASTM B365  
**Size:** Customized  
**Color:** Grey  
**Grade:** R05252 (Ta-2.5W); R05255 (Ta-10W)



### Specification

Form	Dia. (mm)	Standard	Purity
Wire	0.1-4	ASTM B365	≥99.95% 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 <sup>3</sup>	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

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