

Technical Data Sheet

Product Name: Capacitor Grade Tantalum Wire
Catalog No.: TA0029
Size: Customized
Color: Grey



Specification

Form	Dia.	Purity
Wire	>0.2 mm	99.9%, 99.99%

Properties

Properties	Unit	Value
Density	g/cm ³	16.69
Melting Point	°C	3017
Boiling Point	°C	5458
Electrical Resistivity	nΩ·m (20 °C)	131
Electronegativity	Paulings	1.5
Heat of Fusion	kJ/mol	36.57
Heat of Vaporization	kJ/mol	753
Poisson's Ratio	-	0.34
Specific Heat	J/kg·K	140
Thermal Conductivity	W/m·K	57.5
Thermal Expansion	μm/m·K	6.3
Vickers Hardness	MPa	870-1200
Young's Modulus	GPa	186

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By..... *Norman*