

Prince & Izant Company

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Pt92/W8

TECHNICAL DATA

NOMINAL COMPOSITION	Platinum	92.0% ± 1.0
	Tungsten	8.0% ± 1.0
	Total Impurities	0.2% max.
	Total Platinum Group (Pd, Rh, Os, Ru)	0.1% max.
	Total Other Impurities (Including those listed below)	0.1% max.
	Lead	0.01% max.
	Antimony	0.01% max.
	Bismuth	0.01% max.
	Tin	0.01% max.
	Arsenic	0.01% max.
	Cadmium	0.01% max.
	Zinc	0.01% max.
	Iron	0.015% max.
	Other elements (each)	0.02% max.
PHYSICAL PROPERTIES	Color	Silver/Grey
	Solidus °F (°C)	3400 (1870)
	Liquidus °F (°C)	3470 (1910)
	Density (g/cm ³)	21.34
	Electrical Resistivity (μΩ*cm)	
	Work Hardened	59.8
	Fully Annealed	66.4
	Tensile Strength (KSI)	
	Work Hardened:	>200
	Stress Relieved:	140 – 200
	Fully Annealed:	110 – 150
	Elongation (%)	
	Work Hardened:	<2
	Stress Relieved:	>2
Fully Annealed:	>20	
Temp. Coeff. Of Resistance (0 - 100°C)		
Work Hardened:	0.00028	
Fully Annealed:	0.00024	

USES

Pt92/W8 is used for a range of different medical applications for implantable devices. One specific application include use in embolization devices as radiopaque spacers. Pt92/W8 is also used for strain gauges, resistance, and bridge wire applications.

SPECIFICATIONS Pt92/W8 alloy conforms to: N/A

AVAILABLE FORMS Wire, rod.

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