

Prince & Izant Company

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99.99% Platinum

TECHNICAL DATA

NOMINAL COMPOSITION	Platinum	99.99% Min.
	Trace Impurities:	
	Silver	20 ppm Max.
	Palladium	40 ppm Max.
	Gold	25 ppm Max.
	Copper	20 ppm Max.
	Nickel	10 ppm Max.
	Silicon	10 ppm Max.
	Aluminum	10 ppm Max.
	Iron	5 ppm Max.
	Iridium	20 ppm Max.
	Rhodium	20 ppm Max.
	Ruthenium	20 ppm Max.
	Osmium	20 ppm Max.
	Tin	10 ppm Max.
Chromium	10 ppm Max.	
Titanium	15 ppm Max.	
	Other elements (each)	10 ppm Max.
	Other elements (total)	100 ppm Max.
PHYSICAL PROPERTIES	Color	Silver/Grey
	Melting Point °F (°C)	3215 (1769)
	Density @ RT (g/cm³)	21.45
	Electrical Resistivity at 20°C (μΩ*cm)	10.6
	Tensile Strength (KSI)	
	Work Hardened:	45 – 70
	Fully Annealed:	15 – 25
	Elongation (%)	
	Work Hardened:	<2
	Fully Annealed:	>30
	Typical Recrystallization Temperature °F (°C)	930 (500)
USES	Industrial use of platinum includes temperature sensors, chemical, automotive, electrical, and medical applications.	
SPECIFICATIONS	99.99 Platinum conforms to: ASTM B561 – 94	
AVAILABLE FORMS	Wire, rod, sheet, strip, foil, tubing.	

NOTE:

DISCLAIMER

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