

Prince & Izant Company

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Pt70/Ir30

TECHNICAL DATA

	Platinum	70.0% ± 1.0
	Iridium	30.0% ± 0.5
	Total Impurities	0.2% max.
	Total Platinum Group (Pd, Rh, Os, Ru), Au	0.1% max.
	Total Other Impurities (Including those listed below)	0.1% max.
NOMINAL COMPOSITION	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.
		Color
	Melting Point °F (°C)	3420 (1880)
	Density (g/cm ³)	21.7
	Electrical Resistivity (μΩ*cm @ 0°C)	
	Fully Annealed:	34.9
PHYSICAL PROPERTIES	Tensile Strength @ 0.010" diam. (KSI)	
	Work hardened:	260 – 280
	Fully Annealed:	150 – 170
	Elongation @ 0.010" diam. (%)	
	Work Hardened:	<2
	Fully Annealed:	>10
	Temp. Coeff. Of Resistance (0-100°C)	
	Work Hardened:	0.0005
	Fully Annealed:	0.0006
	USES	Pt70/Ir30 is typically utilized for in-vivo applications such as spring seals and feedthrough pins.
SPECIFICATIONS	Pt70/Ir30 alloy impurity conforms to: ASTM B684 / B684M -16	

AVAILABLE FORMS

Wire, rod, strip, machined components.

NOTE:**DISCLAIMER**

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