

Iridium

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General information

Applications	crucibles, thermocouples, spark plug electrodes, probe needles
Product Forms	wire
Density, g/cm ³	22.56
Melting Point	2447

Forming Processes

Material Behaviour	not ductile
Forming Process	hardly formable, limited machinability, hot formable

Chemical Properties

Comment	oxidation resistant to 800°C
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Physical properties

Conductivity, min., % IACS	24
Conductivity, max., % IACS	26
Thermal Conductivity at 20 °C, W/(m*K)	59
Young's Modulus, GPa	528
Modulus of Rigidity, GPa	210

Temper	Annealed	Work Hardened	Property Range
Hardness, HV	210	453	210 - 453
Tensile Strength, MPa	450	1632	450 - 1632
Yield Strength, MPa	93	1618	93 - 1618
Elongation, %	7	1	1 - 7

Contact

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