

Palladium

Pd

General information

Applications	catalysts, plugging contacts, switching contacts, diffusion barrier for low-load contacts, conductive pastes, hydrogen diffusion cells
Product Forms	wire, sheet, strip
Density, g/cm ³	12.02
Melting Point, °C	1552

Forming Processes

Age Hardenable	No
Material Behaviour	ductile
Forming Process	formable, machinable, can be roll clad

Chemical Properties

Comment	corrosion resistant, wear resistant
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Physical properties

Conductivity, min., % IACS	17.03
Conductivity, max., % IACS	17.37
Thermal Conductivity at 20 °C, W/(m*K)	75
Young's Modulus, GPa	121
Modulus of Rigidity, GPa	50

	Annealed	Work Hardened	Property Range
Hardness, HV	40	210	40 - 210
Tensile Strength, MPa	180	480	180 - 480
Yield Strength, MPa	65	400	65 - 400
Elongation, %	35	3	3 - 35

Contact

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