

Cobalt
58.933

Density STP/Liquid	12450 / 10700
Modulus Bulk/Shear/Young	380 / 150 / 275
Hardness Brinell/Mohs/Vickers	1100 / 6 / 1246
Conductivity Thermal/Electric	150 / 23
Radius Calc'd/Empirical	173 / 135
Radius Covalent/v.d.Waals	135 / —
Heat Vaporization/Fusion	495 / 217
Specific Heat	240
Melting Point	1964°C 2237K
Boiling Point	3695°C 3968K
Electronegativity	2.28
Electron Affinity	109.7
1st Ionization	719.7
Oxidation States	3
Electron Config	[Kr]5s ¹ 4d ⁸
Electron Shells	2, 8, 18, 16, 1
Abundance (Univ.)	6.0×10 ⁻⁸ %
Discovered	1803

Rhodium
102.91

Nickel
58.693

Density STP/Liquid	
Modulus Bulk/Shear/Young	
Hardness Brinell/Mohs/Vickers	
Conductivity Thermal/Electric	
Radius Calc'd/Empirical	
Radius Covalent/v.d.Waals	
Heat Vaporization/Fusion	
Specific Heat	
Melting Point	
Boiling Point	
Electronegativity	
Electron Affinity	
1st Ionization	
Oxidation States	
Electron Config	
Electron Shells	
Abundance (Univ.)	
Discovered	

Palladium
106.42