

Nickel (Ni) Evaporation Wire

Material Type	Nickel †	Ferromagnetic	Magnetic Material
Symbol	Ni	Z Ratio	0.331
Atomic Weight	58.6934	E-Beam	Excellent
Atomic Number	28	Thermal Evaporation Techniques	Boat: W***
Color/Appearance	Lustrous, Metallic, Silvery Tinge		Crucible: Al ₂ O ₃
Thermal Conductivity	91 W/m.K	E-Beam Crucible Liner Material	Fabmate®*
Melting Point (°C)	1,453		10-8: 927
Coefficient of Thermal Expansion	13.4 x 10 ⁻⁶ /K	Temp. (°C) for Given Vap. Press. (Torr)	10-6: 1,072
Theoretical Density (g/cc)	8.91		10-4: 1,262
Purity:	99.995% 99.99%		