

Gadolinium (Gd) Evaporation Pieces

Material Type	Gadolinium †	Ferromagnetic	Magnetic Material
Symbol	Gd	Z Ratio	0.67
Atomic Weight	157.25	E-Beam	Excellent
Atomic Number	64	Thermal Evaporation Techniques	Boat: Ta
Color/Appearance	Silvery White, Metallic		Crucible: Al ₂ O ₃
Thermal Conductivity	11 W/m.K	E-Beam Crucible Liner Material	Direct in Hearth
Melting Point (°C)	1,313	Temp. (°C) for Given Vap. Press. (Torr)	10-8: 760
Coefficient of Thermal Expansion	9.4 x 10 ⁻⁶ /K		10-6: 900 10-4: 1,175
Theoretical Density (g/cc)	7.89	UN Number	2813
Purity:	99.999% 99.9999%		