

Germanium (Ge) Evaporation Pieces

Material Type	Germanium	Dopant	Antimony
Symbol	Ge	Z Ratio	0.516
Atomic Weight	72.63	E-Beam	Excellent
Atomic Number	32	Thermal Evaporation Techniques	Boat: W, C, Ta
Color/Appearance	Grayish White, Semi-Metallic		Crucible: Q, Al ₂ O ₃
Thermal Conductivity	60 W/m.K	E-Beam Crucible Liner Material	Fabmate®, Graphite
Melting Point (°C)	937		10-8: 812
Bulk Resistivity	5-40 ohm-cm	Temp. (°C) for Given Vap. Press. (Torr)	10-6: 957
Coefficient of Thermal Expansion	6 x 10 ⁻⁶ /K		10-4: 1,167
Theoretical Density (g/cc)	5.35	Purity:	99.999% 99.9999%