



Contact us at **425-226-4594** or **WWW.POWELLINDUSTRIES.COM**



Sn63/Pb37: SN63 High Purity Solder

Physical Properties

Melting Temp (°F)	361
Melting Temp (°C)	183
Density (lbs/in ³)	0.301
Specific Gravity (g/m ³)	8.34
Shear Strength (MPa)	37
Tensile Strength (tons./in. ²)	54
Izod Impact Strength (J)	20.30
Thermal Conductivity (W/m-k)	40.09
Elastic Modulus (GPa)	31.50
Electric Resistivity (10 ⁻⁹ ohm-m)	144

Chemical Specifications

ELEMENT	JSTD-006C (%)
Tin (Sn)	62.5 - 63.5
Silver (Ag)	0.10
Cadmium (Cd)	0.002
Lead (Pb)	36.5 - 37.5
Aluminum (Al)	0.005
Copper (Cu)	0.08
Arsenic (As)	0.03
Iron (Fe)	0.02
Zinc (Zn)	0.003
Gold (Au)	0.05
Indium (In)	0.10
Antimony (Sb)	0.20
Bismuth (Bi)	0.10
Nickel (Ni)	0.01