



SCIENTIFIC ALLOYS

SPHERES IN MOTION

Technical Data Sheet

50In 50Pb

Physical Properties:

Alloy: 50In 50Pb

Melting Point/Range: 184-210 L °C

Tensile Strength: 4.67 Ksi

Specific Gravity: 9.29 g/cm³

Coefficient of Thermal Expansion: 27 x 10⁻⁶/°C

Thermal Conductivity: 0.22 Wm⁻¹ K⁻¹

Elongation: 55%

Electrical Conductivity: 6 X 10⁶/Ω m

Application:

This alloy is highly ductile, has good thermal fatigue, and is effective when soldering to Au or Au electroplated surfaces often used in cryogenic and electronic assembly applications.

Disclaimer:

This is for informational purposes only and assuming proper handling and operation is deemed accurate based on current data.