



SCIENTIFIC ALLOYS

SPHERES IN MOTION

Technical Data Sheet

40Sn 60Pb

Physical Properties:

Alloy: 40Sn 60Pb

Melting Point/Range: 183-247 L °C

Tensile Strength: 5.36 Ksi

Specific Gravity: 9.27 g/cm³

Coefficient of Thermal Expansion: 24.7 x 10⁻⁶/°C

Thermal Conductivity: 44 Wm⁻¹ K⁻¹

Elongation: 25%

Electrical Resistivity: 0.0000170 Ω-cm

Application:

Compatible with most electronic grade fluxes, this lead based alloy is suitable for higher soldering temperatures. These spheres are used for high-reliability interconnect applications within appropriate melting point ranges for electronic packages and assemblies.

Disclaimer:

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