



# SCIENTIFIC ALLOYS

SPHERES IN MOTION

## Technical Data Sheet

### 52In 48Sn

*Physical Properties:*

Alloy: 52In 48Sn

Melting Point/Range: 118°C Eutectic

Tensile Strength: 1.72 Ksi

Specific Gravity: 7.30 g/cm<sup>3</sup>

Coefficient of Thermal Expansion: 24 x 10<sup>-6</sup>/°C

### Application:

The alloy of these spheres is a low melt eutectic, with strong hermetic wettability and malleability at low temperatures. It can be used in various photonic packaging applications such as hermetic sealing and laser die attach.

**Disclaimer:**

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