



# SCIENTIFIC ALLOYS

SPHERES IN MOTION

## Technical Data Sheet

### 72Ag 28Cu

#### *Physical Properties:*

**Alloy:** 72Ag 28Cu

**Melting Point/Range:** 780°C Eutectic

**Tensile Strength:** 62.26 Ksi

**Specific Gravity:** 10.01 g/cm<sup>3</sup>

**Electrical Resistivity:** 2.00

**Electrical Conductivity:** 84% IACS  
(International Annealed Copper Standard)

### Application:

This alloy can be used to join copper, silver, and nickel based alloys and is useful for hermetic sealing applications where ceramics or glasses are joined to metals typically within a vacuum environment. Its copper content results in its wetting ability. These spheres create extremely strong joints and provide excellent electrical and thermal conductivity in high frequency electrical packages.

#### Disclaimer:

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