



235 Kilvert Street  
Warwick, RI 02886

*A World-Class Quality Partner*  
**ISO 9001:2008**  
Registered

**PRODUCT:** **SILVALOY® A45T**  
**(AWS BAg-36)**

### **COMPOSITION:**

---

Silver	45.0 wt%
Copper	27.0 wt%
Zinc	25.0 wt%
Tin	3.0 wt%
Total other elements	0.15 wt% Max.

### **MATERIAL PROPERTIES:**

---

Solidus	1195°F (645°C)
Liquidus	1251°F (677°C)
Brazing Range	1251-1495°F (677-813°C)
Specific Gravity	8.911
Density (T.oz./cu.in.)	4.696
Electrical Conductivity (% IACS)	18.0
Electrical Resistivity (Michroh-m-cm)	9.60
Color	Pale Yellow

### **DESCRIPTION:**

---

**SILVALOY A45T** is a free flowing, low melting and an excellent substitute to the cadmium-bearing filler metals with similar silver contents. **SILVALOY A45T** narrow melt range (75°F) makes it suitable for manual or machine feeding into the braze joint. The alloy is best suited for narrow gap filling in the range of .001-.005 inches.

### **APPLICATIONS:**

---

Typical applications are the joining of ferrous, nonferrous and dissimilar metals and alloys with close joint clearances. **SILVALOY A45T** is particularly useful in joining steel, copper, copper alloys; and should be used in conjunction with Ultra Flux. The ability to join similar as well as dissimilar metals has allowed for numerous applications in the refrigeration and air conditioning fields.

### **SPECIFICATIONS:**

---

AWS A5.8	BAg-36
ASME	BAg-36

