



**WELDCOTE
95/5 TIN/ANTIMONY SOLDER**

Description- This solder is useful for applications where moderately elevated temperature is a factor. With a higher electrical conductivity and high fluidity, it is recommended for lead free installation of small diameter, tight fitting connections. Used in the joining of copper tubing in refrigeration and air conditioning applications. Also used in piping and fittings for drinking water systems. May be used in the dipping of wire harnesses. These solders are not recommended for use on brass.

Approvals- Weldcote 95/5 tin/antimony solder is manufactured to J-STD-006, ASTM-B32 Alloy Grade Sb-5, and QQ-S-571F specifications.

Chemical Composition-

Antimony	4.5-5.5%
Tin	Remainder

Mechanical Properties

Color	Silver
Solidus	450° F (232° C)
Liquidus	464° F (240° C)
Electrical Conductivity	11.9% AT 68° F (IACS)
Electrical Resistivity	145 n m at 77°F
Elongation	N/A
Density	7.26 g/cm ³
Tensile Strength	5,900 psi
Shear Strength	6,200 psi

Available sizes

- 1 pound bar
- 1 pound spool- diameters 1/16, 3/32, & 1/8
- 5 pound spool- diameter 1/8