



WELDCOTE 96/4 TIN/SILVER SOLDER

Description- Has excellent strength with high elongation and vibration resistance for sound joints in many applications. With its low melting temperature and bonding of all the ferrous and non-ferrous alloys including stainless, nickel, copper tubing, brass etc, this alloy will prevent distortion and loss of your base metal properties. For use on copper tubing it will result in a stronger overall finished assembly than the typical braze alloys. This solder is used where solder joints require added strength, for example, in the air conditioning industry. Used in applications where the joint is under stress from physical tension or a pressurized environment.

Approvals- Weldcote 96/4 tin/silver solder is manufactured to J-STD-006, ASTM- B32-89 Alloy Grade Sn96, and QQ-S-571F specifications.

Chemical Composition-

Silver	3.5-4.5%
Tin	Remainder

Mechanical Properties

Color	Bright Silver
Solidus	430° F (221° C)
Liquidus	475° F (246° C)
Electrical Conductivity	16.5 IACS
Elongation	49%
Density	7.40 g/cm ³
Tensile Strength	14,000 psi
Shear Strength	11,000 psi

Available sizes

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