WELDCOTE
60/40 TIN/LEAD SOLDER-SOLID

Description- With some exceptions, tin-lead solders can be used to solder copper and most copper alloys, lead, nickel alloys and steel. The 60/40 solder is used extensively for electrical applications. It is also used for wave dip soldering of electrical assemblies where lower temperatures are required. The tin-lead solders are not recommended in high stress or vibration joints in the cooling industry due to lack of sufficient elongation properties. This product contains lead and "should not" be used in potable water systems.

Approvals- Weldcote 60/40 tin/lead solder is manufactured to J-STD-006, ASTM- B32 Alloy Grade Sn60, and QQ-S-571F specifications.

Chemical Composition-

Tin	59.5-61.5%
Lead	Remainder

Mechanical Properties

Color	Silver
Solidus	362º F (183º C)
Liquidus	375º F (190º C)
Electrical Conductivity	49.8 (W/m-K)
Electrical Resistivity	145 (10^{-9} ohm-m)
Elongation	40%
Density	8.67 g/cm³
Tensile Strength	6400 psi
Shear Strength	5700 psi

Available sizes

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