Canfield Technologies, LLC

50% Tin/50% Lead

A general purpose solder used in the soldering of copper and copper alloys and/or ferrous based alloys. This alloy offers satisfactory corrosion resistance properties and is generally used where temperature requirements are critical.

Physical Properties:

Color:	Gray/Silver
Melting Range:	361° - 421° F (solid to liquid)
Brinell Hardness:	14HV
Shear Strength:	5200 psi
Tensile Strength:	6000 psi

60% Tin/40% Lead

60% Tin/40% Lead is a general purpose solder used in the soldering of copper and copper alloys and/or ferrous based alloys.

Physical Properties:

Color:	Gray/Silver
Melting Range:	361° - 376° F (solid to liquid)
Tensile Strength:	6400 psi
Specific Gravity:	8.51%
Density:	.3068

PURE TIN

Tin is not easily oxidized in air and is used to coat other metals to prevent corrosion. Used where lead-free solders are required.

Physical Properties:

Solder Alloy Composition:	100 Sn (weight %)
Melting Temperature:	449° F
Density:	7·29 Mg m^{-3}
Brinell Hardness:	51 MPa
CAS Registry Number:	7440-31-5

ACID CORE

Acid core solder is a highly active inorganic acid type of flux (zinc chloride free) for general purpose soldering applications where a flux cored solder wire is desirable. Rapid soldering can be accomplished on all common metals except aluminum and manganese. Acid core solder is particularly useful for soldering excessively oxidized metals.

Bar solders are available in 1 # bars, ½# bars and ¼# capping/meter bars.
Acid core is available in most alloys and available on 1# and 5# spools.

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