



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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