Sil Sol - Premium 15% Sil-Phos Brazing Rod

Description

Sil Sol Premium 15% Sil-Phos was developed primarily for use on copper, but its use has extended to other nonferrous copper based alloys. It is used extensively on refrigeration units, air conditioning apparatus, electrical conductors, copper and brass fittings and other copper to brass equipment.

Applications

- The self fluxing property of this filler metal is effective on copper only.
- Copper-base alloys, such as brass or bronze, the joints should be fluxed.

NOTE:

- Should not be used on nickel-base and iron-base alloys, as the phosphorus reacts with the nickel or iron to form brittle compounds at the interface of the joints.
- Should not be used where the joints are exposed to sulfur compounds, especially in gases or oils at temperatures above normal room temperature.
- Exposure to pressured steam can also result in accelerated corrosion.

Properties

Composition	
Copper	80.0%
Phosphorus	5.0%
Silver	15.0%
Other elements	15% max

Technical Data	
Appearance:	Gray
Solidus:	1190 F (643 C)
Liquidus:	1495 F (812 C)
Recommended Brazing Temperature	1545-1595 F (840-868 C)
Density (Lbs/in^3)	9.90
Electrical Conductivity (%IACS)	14.4
Electrical Resistivity (Microhm-cm)	0.31
Shelf Life:	Lifetime
Packaging:	Tube

Product Variants

- 18" Round Rods
  - SW-SS1503K - 3 Rod Pack
  - SW-1524K - 1 lb. Pack
  - SW-1512K - 1/2 lb. Pack
- 18" Flat Rods
  - SW-SS15F1 - 1lb. Pack