

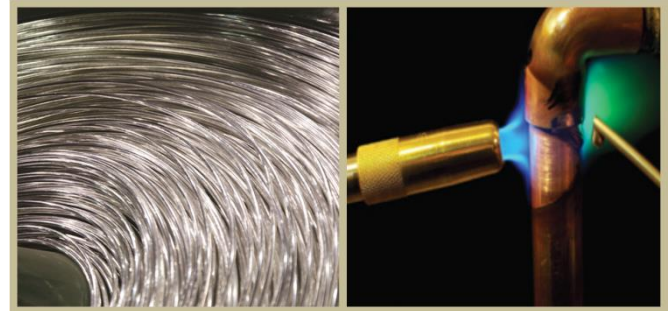
POWERSOL LEAD-FREE SOLDER ALLOY

FEATURES

- High Purity
- Melting Temperature 238°C-349°C (460°F-660°F)

DESCRIPTION

Powersol is a standard grade lead-free high purity alloy comprised of 0.1% silver, 3% copper, 4.5% antimony, 0.1% nickel, and a balance of tin. Powersol has a melting temperature range of 238°C-349°C (460°F-660°F). This solder is ideal for copper plumbing joints. Powersol complies with the Canadian Plumbing and Boiler Codes, the Canadian Lead-Free Solder Standard, and the United States Environmental Protection Agency's January 2014 Lead-Free Safe Drinking Water Act. Powersol is available in solid wire and bar.



AVAILABILITY

P/N	Description	Weight	Diameter	QTY
84390	Powersol Lead-Free Solid Wire Solder	113 g (1/4 lb)	3 mm (0.125 in)	48
84391	Powersol Lead-Free Solid Wire Solder	227 g (1/2 lb)	3 mm (0.125 in)	48
84374	Powersol Lead-Free Solid Wire Solder	454 g (1 lb)	3 mm (0.125 in)	24
84392	Powersol Lead-Free Solid Wire Solder	2.27 kg (5 lb)	3 mm (0.125 in)	8
84393	Powersol Lead-Free Solid Wire Solder	9.08 kg (20 lb)	3 mm (0.125 in)	2

TYPICAL ALLOY COMPOSITION

Typical Alloy Composition				
Sn: Balance	Ag: 0.1	Cu: 3.0	Sb: 4.5	Ni: 0.1

TYPICAL TENSILE STRENGTH

Ultimate Tensile Strength (MPa)	Ultimate Tensile Strength (psi)
80	11600

HANDLING & STORAGE

Parameter	Time	Temperature
Shelf Life	Indefinite	Room Temperature

Indefinite shelf life applies to solid solder. For other product categories, refer to those specific TDSs. Consult AIM Powersol SDS for additional handling procedures and precautions.

SPECIFICATION COMPLIANCE

- ASTM B32
- NSF/ANSI 61
- NSF/ANSI 372
- UPC

FLUX COMPATIBILITY

Nitro Flux is the preferred product for use with Powersol although Powersol is compatible with most major grades of fluxes.

SAFETY

Use with adequate ventilation and proper personal protective equipment. Refer to the accompanying SDS for any specific emergency information. Do not dispose of any hazardous materials in non-approved containers.