

SILVERSOL LEAD-FREE SOLDER ALLOY

FEATURES

- High Purity
- Melting Temperature 214°C-234°C (416°F-454°F)

DESCRIPTION

Silversol is a premium grade lead-free high purity alloy comprised of 95.5% tin, 0.5% silver, and 3% copper. Silversol has a melting temperature range of 214°C-234°C (416°F-454°F). This solder is ideal for copper plumbing joints. Silversol 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.

AVAILABILITY

P/N	DESCRIPTION	WEIGHT	DIAMETER	QTY
5157	Silversol Lead-Free Solid Wire Solder	113 g (1/4 lbs)	3 mm (0.125 in)	48
5158	Silversol Lead-Free Solid Wire Solder	227 g (1/2 lbs)	3 mm (0.125 in)	48
5160	Silversol Lead-Free Solid Wire Solder	454 g (1 lbs)	3 mm (0.125 in)	24
5161	Silversol Lead-Free Solid Wire Solder	2.27 kg (5 lbs)	3 mm (0.125 in)	8
5162	Silversol Lead-Free Solid Wire Solder	9.08 kg (20 lbs)	3 mm (0.125 in)	2

TYPICAL ALLOY COMPOSITION

TYPICAL ALLOY COMPOSITION		
Sn: Balance	Ag: 0.5	Cu: 3.0

TYPICAL TENSILE STRENGTH

ULTIMATE TENSILE STRENGTH (MPA)	ULTIMATE TENSILE STRENGTH (PSI)
66.5	9645



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 Silversol SDS for additional handling procedures and precautions.

SPECIFICATION COMPLIANCE

- ASTM B32
- NSF/ANSI 61
- NSF/ANSI 372
- UPC
- IAPMO R&T

FLUX COMPATIBILITY

Nitro Flux is the preferred product for use with Silversol although Silversol 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.

*All information for reference only. Not to be used as incoming product specifications or for process design. Consult Certificate of Analysis for product specific information.

DISCLAIMER The information contained herein is based on data considered accurate and is offered at no charge. Product information is based upon the assumption of proper handling and operating conditions. Liability is expressly disclaimed for any loss or injury arising out of the use of this information or the use of any materials designated. Please refer to <http://www.aimsolder.com/terms-conditions> to review AIM's terms and conditions.