

AQUASOL LEAD-FREE SOLDER ALLOY

FEATURES

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

DESCRIPTION

Aquasol is a standard grade lead-free high purity alloy comprised of 95.75% tin, 0.25% silver, 3% copper, and 1% antimony. Aquasol has a melting temperature range of 214°C-234°C (416°F-454°F). This solder is ideal for copper plumbing joints. Aquasol 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 |
|------|--|--------------------|--------------------|-----|
| 5163 | Aquasol Lead-Free Solid Wire Solder | 113 g (1/4 lb) | 3 mm (0.125 in) | 48 |
| 5165 | Aquasol Lead-Free Solid Wire Solder | 227 g (1/2 lb) | 3 mm (0.125 in) | 48 |
| 5167 | Aquasol Lead-Free Solid Wire Solder | 454 g (1 lb) | 3 mm (0.125 in) | 24 |
| 5180 | Aquasol Lead-Free Solid Wire Solder | 2.27 kg (5 lb) | 3 mm (0.125 in) | 8 |
| 5362 | Aquasol 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: 0.25 | Cu: 3.0 | Sb: 1.0 | | | |

TYPICAL TENSILE STRENGTH

| Ultimate Tensile Strength | Ultimate Tensile Strength |
|---------------------------|---------------------------|
| (MPa) | (psi) |
| 76 | 11023 |



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 Aquasol 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 Aquasol although Aquasol 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.

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