Stellar Technical Products
707 East Gardena Blvd.
Gardena, CA 90248

*Technical Bulletin*

# FRY 50/50 TIN/LEAD SOLDER For SHEET METAL APPLICATIONS

## *Description*

50Sn/50Pb Solder Alloy is the most commonly used metal joining material for seam-soldering galvanized steel, copper and stainless steel fabrications. Fry Metals' 50/50 Solders contain 50% Tin and 50% Lead and exceed the specifications for ASTM B32 Sn50 Alloy:

| | |
|---|---|
| Tin | 49.5-51.5% |
| Lead | Remainder |
| Antimony | 0.500% max. |
| Silver | 0.015% max. |
| Copper | 0.080% max. |
| Cadmium | 0.001% max. |
| Aluminum | 0.005% max. |
| Bismuth | 0.250% max. |
| Arsenic | 0.025% max. |
| Iron | 0.020% max. |
| Zinc | 0.005% max. |

## *Physical Data*

| | |
|---|---|
| Solidus | 361 F |
| Liquidus | 421 F |
| Density | 0.337 lbs/ cubic in. |

## *Packaging*

Fry 50/50 Sheet Metal solder is available in 1/4" x 22", 5/16" x 22" and 7/16" x 17" Tri-Bar; 1/4 lb, 1/2 lb and 1 lb rectangular bars.