

# PRODUCT PROFILE

## ELECTROLOY LEAD FREE BAR

### Product Name

**SOLDER BAR – LEAD FREE ALLOY – Sn42/Bi58**

### Product Code

**LF- 302B**

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assure legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. No warranty of fitness for a particular purpose is made. Properties are typical and not to be used as specifications.

## **PRODUCT INFORMATION**

LF-302B is low dross lead free bar with alloy composition 42% Tin and 58% Bismuth. This is a ROHS compliance lead free bar which able to meet and fulfill international requirements.

## **CHEMICAL COMPOSITION OF ALLOY**

The composition of Electroloy's LF-302B lead free bar is strictly controlled to the following specification: -

<b><u>ELEMENT</u></b>	<b><u>LF-302 SPECIFICATION</u></b>
TIN	41-43 %
LEAD	MAX 0.050 %
ALUMINIUM	MAX 0.005 %
ANTIMONY	MAX 0.050 %
ARSENIC	MAX 0.030 %
BISMUTH	REMAINDER
COPPER	MAX 0.080 %
IRON	MAX 0.010 %
ZINC	MAX 0.003 %
CADMIUM	MAX 0.002 %
SILVER	MAX 0.050 %
NICKEL	MAX 0.010 %
INDIUM	MAX 0.050 %
GOLD	MAX 0.050 %

## **PHYSICAL APPEARANCE**

The LF-302B exhibit a shiny appearance & uniform silver grey in color. The brand & alloy code is embossed onto the surface of each bar. Each bar is approximately 700 – 900 grams in weight. The physical dimension is about 330mm X 20mm X 13mm.

## **PACKAGING**

The LF-302B lead free bars are pack into “Green “carton boxes of 20kg each. Each box contain the following traceable information:

1. The Supplier
2. Grade
3. Product Code / Type
4. Lot Number
5. Weight per Box

## **DELIVERY**

Each shipment shall be accompanied with a Certificate of Analysis for each lot, which indicates the impurity level of each element according to LF-302 Specification.

## **STORAGE AND SHELF LIFE**

Electroloy's LF-302B lead free bars have no limited shelf life when handled properly. Storage must be in a dry & non-corrosive environment.

To minimize the bars from further oxidation, ensure that the packaging is not damaged.

The solder surface may lose its shine & appear a dull shade of light yellow. This is a surface phenomenon & is not detrimental to product functionality & performance.

## **HEALTH AND SAFETY**

Refer to the MSDS for guidance on safety and health issues.