

# SOLDER Bi58Sn42, Bi57Sn42Ag1

Lead-free alloys with low melting point

## DESCRIPTION

Stannol Ecoloy Bi58Sn42 and Bi57Sn42Ag1 are produced according to or in analogy to DIN EN ISO 9453 (Alloy No. 301).

## CHARACTERISTICS

The products offers the following advantages:

- **Low Melting Point 139°C**
- **Excellent Wetting**
- **Fast flowing Solder**
- **For Temperature Sensitive Components**
- **Lead-free – RoHS Compliant**

## APPLICATION

Stannol Ecoloy Bi58Sn42 and Bi57Sn42Ag1 are for use in wave-, selective- or dip solder machines. This solid solder is compatible with a large variety of fluxes which are commonly used in electric and electronics industry.

**Stannol Ecoloy Bi58Sn42 and Bi57Sn42Ag1 may not be used together with lead containing solders.**

## PHYSICAL PROPERTIES AND DATA

GENERAL PROPERTIES	S-Bi58Sn42*	Bi57Sn42Ag1**
<b>Melting Point:</b>	139 °C	137-139 °C
<b>Density:</b>	8.7 g/cm <sup>3</sup>	8.7 g/cm <sup>3</sup>
<b>TCE:</b>	13.8*10 <sup>-6</sup> K-1	about 14*10 <sup>-6</sup> K-1
<b>Electrical Conductivity:</b>	4.5% IACS	about 4.6 % IACS

\* complying with DIN EN ISO 9453

\*\* analogous to DIN EN ISO 9453

## SUPPLY FORMS

Triangular bars, Solid Solder Wire

## HEALTH AND SAFETY

Before use please read the material safety data sheet carefully and observe the safety precautions described.

## NOTICE

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