



# SOLDER Pb50Sn50

Solder Alloy for Electronic Application

## DESCRIPTION

**Stannol Solder** is a soft solder produced conforming to DIN EN ISO 9453. Alloy **Pb50Sn50** is specified as no. 111, S-Pb50Sn50.

## CHARACTERISTICS

- **Excellent wetting**
- **Fast flowing solder**
- **Excellent shape of solder joints**
- **Shiny joints**

## APPLICATION

Stannol solder with alloy Pb50Sn50 is used in shape of bars and ingots for application in wave or dip soldering. Solid solder can be used in combination with fluxes for soft soldering dependent on the type of application. Fields of application are hand craft, industrial art und electric.

## PHYSICAL PROPERTIES

PROPERTIES	Pb50Sn50
<b>Melting point/-range</b>	183-215°C
<b>Density</b>	8.9 g/cm <sup>3</sup>
<b>Therm. Coefficient of Expansion</b>	23.4*10 <sup>-6</sup> K <sup>-1</sup>
<b>Electrical Conductivity</b>	10.9% IACS

## SUPPLY FORMS

Solder Wire (solid and flux cored)  
Triangular bars

## HEALTH AND SAFETY

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

## NOTICE

The above values are typical and represent no form of specification. The Data Sheet serves for information purposes. Any verbal or written advise is not binding for the company, whether such information originates from the company offices or from a sales representative. This is also in respect of any protection rights of third parties, and does not release the customer from the responsibility of verifying the products of the company for suitability of use for the intended process or purpose. Should any liability on the part of the company arise, the company will only indemnify for loss or damage to the same extent as for defects in quality.