



Product Information

FELDER ISO-Tin[®] „Sn100Ni+ Sel. - Refill“ Solid Solder Wire

Lead-free solid solder wire for selective soldering units with a high entry of copper and nickel
Sn99,97Ni0,02Ge0,01

Item No.: 551465....

All information about our products is the result of our long-standing experience which we would like to pass on to our customers as application support. However, as we do not have any influence on the application of the works carried out with our products, please see the warranty claims in our conditions of sale because our liability is limited.

This product information does not constitute warranted properties.

Application

Lead-free soldering in selective soldering units with automatic solder level regulation. To compensate for the entry of nickel due to processing of printed circuit boards with ENiG end surfaces, the **FELDER-ISO-Tin[®], Sn100Ni+ Sel. - Refill“** contains a lower Ni-content of 0.02% compared to 0.06% of the basic version **Sn100Ni+**. To compensate for the copper entry into the solder bath at the same time, **ISO-Tin[®], Sn100Ni+ Sel. - Refill“** is copper free too. To avoid a possible copper depletion of the solder, a regular check of the solder bath is recommended.

Properties

Beside the well-known advantages of Ni-doped solders our alloy reaches by the adding of Germanium improved wetting qualities on all common surfaces in the electronic industry and lowest dross formation in comparison to all other lead-free solders.

Alloy : Sn99.97Ni0.02Ge0.01
Density : 7.3 g/cm³
Tensile strength : ca. 40 N/mm²
Melting point : 232 °C (the entry of copper reduces this to 227 °C)

Impurities / Tolerances acc. EN ISO 9453

Element	Ag	Al	As	Bi	Cd	Cu	Fe
Content (%)	<0.030	<0.001	<0.030	<0.050	<0.002	<0.05	<0.020
Element	Ge	Ni	Pb	Sb	Sn	Zn	
Content (%)	0.010-0.015	0.015-0.025	<0.040	<0.050	rest	<0.001	

Advices

FELDER lead-free soft solder alloys contain no materials, for which exists restrictions in the rules of 2011/65/EU (“RoHS II”).

Storage: Stored at constant room temperature infinitely durable.

Handling: We refer to the safety data sheet

Delivery Forms

Wire diameter : 2.00, 3.00 mm
Standard spool sizes : 4.0 and 5.0 kg
Other wire diameters / spool sizes are deliverable on request.