

# Припой экологический бессвинцовый S-Sn96Ag4 (Sn96,5Ag3,5)



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## 1. General characteristics

S-Sn96Ag4 solder manufactured in the first melt of tin and silver according to PN EN 29453:2000 standard in continuous casting process in air-free environment; afterwards extruded, in order to eliminate oxide occurrence.

## 2. Chemical characteristics

- 2.1 Tin contents: rest  
2.2 Silver contents: 3,5% to 4,0%  
2.3 Tin and silver of first smelting purity: 99,90%  
2.4 Max. impurities:

Cu	Pb	Cd	Sb	Bi	Fe	Zn	Al	As	other
0,05%	0,10%	0,002%	0,10%	0,10%	0,02%	0,001%	0,001%	0,03%	0,08%

## 3. Physical characteristics

- 3.1 Melting point: eutectic 221°C  
3.2 Density: 7,30 g/cm<sup>3</sup>  
3.3 Assortment:  
- rods,  
- bars,  
- wires with or without flux from 0.25 mm to 5.00 mm diameters  
3.4 Working temperature: 300°C to 380°C

## 4. Usage

S-Sn96Ag4 solder is primarily used in electronic industry, for manufacturing of devices and electronic components, bath soldering of printed circuits, precision soldering, soldering of electrical components in mechanical engineering, as well as soldering of elements plated with tin, tin-lead, cadmium, zinc and silver.

## 5. Packaging

- 5.1 Spooled wire 100 g, 250 g, 500 g and 1 kg;  
cartooned by 6 kg (100 g spools)  
and 10 kg (others).  
5.2 Spools and cartons marked by kind of solder, flux type, diameter and batch number.  
5.3 Bars cartooned by 25-30 kg; marked with solder type and batch number.  
5.4 Rods - marked with solder type and batch number.