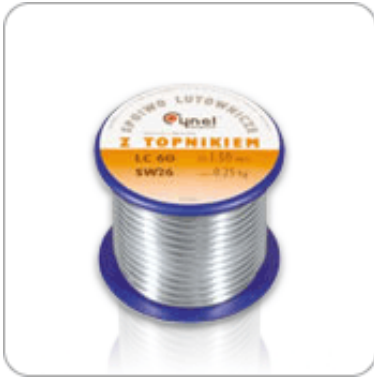


# S-Pb60Sn40 (LC40)



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## 1. General characteristics

S-Pb60Sn40 solder manufactured in the first melt of tin and lead 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: 39,5% to 40,5%
- 2.2 Lead contents: rest
- 2.3 Tin and lead of first smelting purity: 99,90%
- 2.4 Max. impurities:

Cu	Ag	Cd	Sb	Bi	Fe	Zn	Al	As	other
0,08%	0,005%	0,005%	0,50%	0,25%	0,02%	0,001%	0,001%	0,03%	0,05%

## 3. Physical characteristics

- 3.1 Melting point: 183°C to 235 °C
- 3.2 Density: 9,30 g/cm<sup>3</sup>
- 3.3 Assortment:  
- bars,  
- rods,  
- wires with or without flux from 0.25 mm to 5.00 mm diameters
- 3.4 Working temperature: 350°C to 450°C

## 4. Usage

S-Pb60Sn40 solder is mainly used in refrigeration industry, automotive (soldering of radiators and other parts), electrical industry (soldering of the electrical equipment) and for soldering galvanized steel sheets and zinc plated sheets.

## 5. Packaging

- 5.1 Spooled wire 100 g, 250 g, 500 g, 1 kg, 10 kg and 20 kg;  
cartooned by 6 kg (100 g spools)  
and 10 kg (250 g, 500 g, 1 kg spools).  
spools of 10 kg and 20 kg on palletes.
- 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.