

LINQALLOY PbSn2Ag2.5-SW



Solder Wire

- Non-fluxed
- Leaded alloy for precise soldering
- Wide range of diameter with tight tolerances

LINQALLOY PbSn2Ag2.5-SW a lead-based solder alloy composed of 95.5% lead (Pb), 2.5% silver (Ag), and 2% Tin (Sn). This solder wire is formulated for dependable performance in electronic soldering.

This alloy's melting temperature ranges from 299 to 304°C. The incorporation of tin (Sn) ensures good joint strength and reliability. Silver (Ag) enhances the solder's ability to spread and form strong connections with various electronic components.

Chemical composition

The chemical composition of alloy according to the IPC J-STD-006B specification:

Chemical composition (wt.%)

Elements	Sn	Pb	Al	Sb	As	Bi	Cu	Fe	Zn	Cd	Ag	Ni	In	Au
PbSnAg	1.50 - 2.50	Bal.	0.0050	0.200	0.030	0.100	0.080	0.020	0.003	0.002	2.30 - 2.70	0.010	0.100	0.050

Physical Appearance and packaging

This solder wire has a consistent shiny grey color.. It has tight tolerances of $\pm 0.05\text{mm}$ and a wide diameter range of 0.2mm to 2.4mm. The Solder wire comes with traceable information such as supplier's name, alloy composition and lot number.

Storage and handling:

General:

- Store unopened solder wire in its original container in a cool, **dry environment**.
- Maintain a constant temperature and humidity level for optimal storage.
- Ideal conditions are:
 - Temperature: Below normal room temperature (around 22°C / 72°F)
 - Relative Humidity: Less than 80%
- Minimize exposure to light and contaminants.

Shelf Life:

- Typically up to **18 months from the manufacture date** when stored properly.

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