

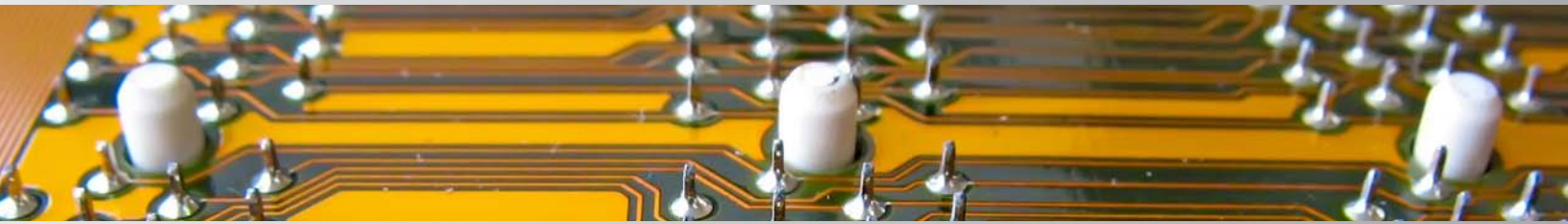
## LOCTITE BAR SOLDER

**The Electronics group of Henkel, recognized as a global innovation leader in solder materials.**

The LOCTITE portfolio of bar solder offers both Sn-Pb and Pb-free industry standard alloys.



Henkel's leading role in sustainable development and corporate social responsibility is confirmed by many international rating organizations and sustainability analysts. Our solder materials are Conflict Free, meeting all the regulatory requirements of Frank Dodd's Conflict Minerals legislation.



## Wave Soldering Testing

- Solder baths need to maintain alloy purity to guarantee high reliability solder joints.
- Overtime, dross forms when molten solder on the surface of the solder reservoir, or bath, comes in contact with oxygen, forming tin oxides (SnO and SnO<sub>2</sub>).
- Dross can plug the wave nozzles, which directly affect the solder/lead/PCB interface. This can lead to skips or open solder joints.
- To maintain alloy purity, it is important to perform solder pot analysis
- Solder pot analysis allows you to know the alloy purity drift against the IPC J-STD-006B industry standard.

ALLOY	BAR SOLDER ALLOYS	DESCRIPTION	SHAPE	WEIGHT PER BAR (lbs.)	TOTAL WEIGHT PALLET (lbs.)
Sn-Pb	SN63	BAR	RECTANGULAR	2 ± 0.2	2000
		FEEDER BAR	RECTANGULAR	6.25 ± 0.4	1000
		CHIPS AND CHUNKS	RECTANGULAR AND CYLINDRICAL	0.15	500
Pb-Free	SAC305	BAR	TRAPEZOID	2 ± 0.2	1000
		FEEDER BAR	RECTANGULAR	6.25 ± 0.4	1000
		CHIPS AND CHUNKS	RECTANGULAR AND CYLINDRICAL	0.15	500
	99C	BAR	TRAPEZOID	2 ± 0.2	1000
	SAC0307	BAR	TRAPEZOID	2 ± 0.2	1000

All available alloys are listed in the table above and conform to IPC J-STD-006B.

## Dross Recovery Program and Solder Analysis

Henkel provides both dross recovery and solder pot analysis programs.



## Dross Recovery Process



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Around the Globe.**  
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