



Lead-free soldering alloys

Description:

The Interflux[®] **lead-free alloys** are high purity soldering alloys.

They correspond to the following specifications:

- J-STD-006C
- NEN-EN ISO 61190-1-3:2017

(*) Excepted from these norms

Levels according these Industry standards are given in the table below.

An example of quality control analysis levels of a SAC305 production batch are given in **green**.

We always refer to the most strict impurity percentage.



Products pictured may differ from the product delivered



Abbreviations

- SAC305 = Sn96,5Ag3Cu0,5
- SAC387 = Sn95,5Ag3,8Cu0,7
- SAC0307 = Sn99Ag0,3Cu0,7
- SAC0807 = 98,5Ag0,8Cu0,7
- SA30 = Sn97Ag3
- SnCu = Sn99,3Cu0,7
- Sn100 = 100% Sn
- SnCu0,2 = Sn99,8Cu0,2
- SnSb5 = Sn95Sb5

Composition

Levels in % according Industry standards

Element	Symbol	SAC305	SAC305	SAC387	SAC0307	SAC0807	SA30	SnCu	Sn100	SnCu0,2*	SnSb5
Tin	Sn	Rest	Rest	Rest	Rest	Rest	Rest	Rest	Rest	Rest	Rest
Silver	Ag	2,8-3,2	3,0024	3,6-4,0	0,2-0,4	0,7-0,9	2,8-3,2	<0,1	-	<0,1	<0,1
Lead	Pb	<0,07	0,0026	<0,07	<0,07	<0,07	<0,07	<0,07	<0,07	<0,07	<0,07
Copper	Cu	0,4-0,6	0,4829	0,6-0,8	0,6-0,8	0,6-0,8	<0,05	0,6-0,8	-	0,1-0,3	<0,05
Antimony	Sb	<0,2	0,0101	<0,2	<0,2	<0,2	<0,2	<0,2	<0,2	<0,2	4-6
Cadmium	Cd	<0,002	0,00020	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002
Bismuth	Bi	<0,10	0,00046	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10
Arsenic	As	<0,03	<0,0025	<0,03	<0,03	<0,03	<0,03	<0,03	<0,03	<0,03	<0,03
Iron	Fe	<0,02	0,0013	<0,02	<0,02	<0,02	<0,02	<0,02	<0,02	<0,02	<0,02
Aluminum	Al	<0,001	<0,00010	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001
Nickel	Ni	<0,01	0,00046	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01
Zinc	Zn	<0,001	0,00011	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001





Safety

Please always consult the safety datasheet of the product.

Availability

+/- 300g bars in 20 and 25kg box

Pellets +/- \varnothing 5mmx20mm or \varnothing 6mmx20mm in 2kg jar

1,5mm, 2mm, 3 mm plain wire on 500g, 1kg and 4kg spools

In the alloys mentioned above

Not all combinations are guaranteed

Other types on request

Trade name: Interflux[®] solder alloys lead-free

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