

FLUIDONDA®

high purity alloys for wave and static baths



Bars of 3,5 Kg



Rods of 700 gr.



Granular shape

The alloys produced under the brand "FLUIDONDA" are made of parent metals of the highest purity, which are subjected to a further refining treatment.

This treatment, beside eliminating inner metal oxidation, gives to the alloy an excellent fluidity and a higher resistance to the oxidation of welding processes in melted baths.

The alloys of commonest use produced under the brand "FLUIDONDA" are:

63Sn - 37Pb / 60Sn-40Pb / 62Sn - 2Ag - 36Pb / 63Sn - 2Bi - 35Pb / 50Sn - 3Bi - 47Pb

FLUIDONDA EXTRA Only for the type Sn63/Pb37, we produce a highest purity alloy made exclusively of Sn99.99 and Pb99.99. The impurities are extremely low, as pointed out in the below table.

WARRANTY OF QUALITY CONTROL

After a careful working process every single lot is subjected to analysis of chemical and physical control . Only after having passed this checking, material can accede to the final casting in bars.

On each single bar, besides "FLUIDONDA" brand, are impressed the lot number and the alloy's type.

On customer's request, every single supply is completed with an analysis certificate.

The following table illustrates the impurity percentages which are allowed by some international standards, and shows the typical impurity percentages either of FLUIDONDA 63/37-60/40, and of FLUIDONDA EXTRA 63/37

Element		J-STD-006 Alloys type C	ISO 9453 Alloys type a	FLUIDONDA	FLUIDONDA EXTRA
Bismuth	(Bi)	0,100	0,050	0,0400	0,0100
Copper	(Cu)	0,080	0,050	0,0500	0,0050
Iron	(Fe)	0,020	0,020	0,0050	0,0030
Zinc	(Zn)	0,003	0,001	0,0005	0,0005
Aluminium	(Al)	0,005	0,001	0,0010	0,0005
Cadmium	(Cd)	0,002	0,002	0,0005	0,0005
Antimony	(Sb)	0,050	0,050	0,0500	0,0050
Arsenic	(As)	0,030	0,030	0,0100	0,0050
Silver	(Ag)	0,050	n.s.	0,0100	0,0050
Nickel	(Ni)	n.s.	n.s.	0,0005	0,0005
Indium	(In)	0,100	n.s.	0,1000	0,0010
Total impurities with exception of Sb, Bi, In, Cu (n.s. = non specified)		0,080	0,080	< 0,050	< 0,010

SERVICE OF ANALYSIS FOR THE CHECKING OF SOLDERING BATHS

On request, our laboratory continues its service with its assistance to customers through the checking of the analysis of soldering baths. The analysis are made using spectrophotometry and emission (ICP) on 14 elements. The certificate, points out the possible impurities which can give rise to problems on following soldering processes.

® = Trade mark

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