



MBO FAMILY OF NO-CLEAN SOLDER WIRE

Created Date: 13/01/09 - Updated : 18/02/10 Nr: 07

MBO family of no-clean solder wire “AUTOFIL” is carefully formulated to confer high activity soldering on various substrates, including, copper, tin/lead, brass, nickel, etc. Various activations are available to suit most oxidised metallisation.

- High activity
- Fast soldering
- Low fume
- Low odour
- Low spattering
- Lead-free option available
- RoHS compliant

Available alloys

Alloy	Melting point
Sn60Pb40	183 - 190°C
Sn63Pb37	E - 183°C
Sn95.5Ag3.8Cu0.7	E - 217°C
Sn96.5Ag3.5	E - 221°C
Sn99.3Cu0.7	E - 227°C
Sn96.5Ag3Cu0.5	E - 217°C
Pb93.5Sn5Ag1.5	E - 301°C
Other	On request

PHYSICO-CHEMICAL CHARACTERISTICS

Alloys : Most alloys conforming to international standards available on request
 Flux content: 1 - 2 % (nominal).
 Flux type: Blend of rosin and modified rosin.
 Halide content: See table below

	A0	A11
Halides	0 %	1.1 %
Flux content	1 to 1.5% (lead free)	1.8 to 2.5% (lead free)
Acidity index	250 mgKOH/g	130 mgKOH/g
J-STD-004 class.	ROL0	ROM1
Application	SMT rework General application	SMT rework & highly oxidised substrates

Maximum impurities :

Cd	Sb	Bi	Fe	Zn	Al	As	Div.
0.002 %	0.05 %	0.01 %	0.02 %	0.001 %	0.001 %	0.01 %	0.05 %

APPLICATION

MBO “AUTOFIL” range of solder wire confers rapid soldering with copper, tin/lead, brass and nickel. MBO “AUTOFIL” range of solder wire can be used in conjunction with various methods of soldering, such as soldering iron, hot air, induction, hot plate and blow torch. When used with a soldering iron, it is recommended to use an operating temperature of 370°C. Elevated temperatures can be used but some carbonisation of the flux may result.



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RESIDU REMOVAL

Post-soldering residues of **MBO “AUTOFIL”** range of solder wire can be removed with commercially-available solvents such as alcohols and hydrocarbons, and propriety cleaners.

STORAGE

In original packaging at room temperature for 12 months.

ADDITIONAL INFORMATION :

Our manufacturing processes have been subjected to FMECA analysis (equivalent of AMDEC in Europe).