



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).