

**AUTOFIL**

**AUTOFIL** - 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

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

**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.

**Residue Removal**

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

**Storage**

In original packaging at room temperature for 12 months.

**Residue Removal**

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

	A0	A11
<b>Halides</b>	0 %	1.1 %
<b>Flux content</b>	1 to 1.5% (lead free)	1.8 to 2.5% (lead free)
<b>Acidity index</b>	250 mgKOH/g	130 mgKOH/g
<b>J-STD-004 class.</b>	ROL0	ROM1
<b>Application</b>	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 %