

S45V

MBO SYNTHETIC NO-CLEAN SOLDER WIRE



Created Date: 09/02/2001 - Updated : 14/12/2021 Nr: 11



MBO Synthetic no-clean solder wire “S45V” is carefully formulated for SMT rework and components welding on various substrates, including copper, tinned copper, lead etc.

Available alloys

- Good activity
- Fast soldering
- Low, clear and safe residues
- Low fume
- Low odour
- Low spattering
- Lead-free option available
- ISO 9453 and J-STD 006 compliant

Alloy	Melting point
Sn60Pb40	183 - 190°C
Lead Free	
Sn95.5Ag3.8Cu0.7	E - 217°C
Sn96.5Ag3Cu0.5	217 - 219°C
Sn99Ag0.3Cu0.7	217 – 228°C
Sn99.3Cu0.7	E - 227°C

PHYSICO-CHEMICAL CHARACTERISTICS

Alloys : Most alloys conforming to international standards available on request
Flux type: Synthetic resin
Properties: See table below

	S45V
Halide content	0 %
Flux content	Standard: 1 % and 1.2% (other: consult us)
Acid number	230 mgKOH/g
J-STD-004 classification	RELO
Application	SMT rework - General application

APPLICATION

MBO “S45V” solder wire confers fast soldering with copper, tinned copper and lead.

MBO “S45V” solder wire can be used in conjunction with various methods of soldering, such as soldering iron, hot air, induction, hot plate etc. This solder wire is recommended for use in all processes. When used with a soldering iron, it is recommended to use an operating temperature between 300°C and 400°C for standard cabling operations. Elevated temperatures can be used but a light coloration of the flux residues may result.

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RESIDUES REMOVAL

If needed, post-soldering residues of MBO “S45V” solder wire can be removed with commercially-available solvents such as alcohols, hydrocarbons, and others cleaners.

STORAGE

In original packaging at room temperature for 24 months. Keep away from inclemency.

ADDITIONAL INFORMATION

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

We cannot anticipate any and all conditions and situations under which the information and our products or the combination of both with others will be used. We do not assume any liability in the safety and suitability of our products alone or in combination with others. Users must make their own tests to determine the safety and suitability of each product used alone or with other products for their own use. Except any previous written agreement, our products are sold without guarantee and customers must assume all liability for any loss or damage suffered by themselves or by third parties, either from handling or use of our products alone or with others. In case of any difference or variation seen during the use of the products we request that you contact our technical department.