


Update: 23/09/2019	TECHNICAL DATA SHEET	
Ref: Alloy	Machine Alloy	
Created on: 11/04/2002	Sn60Pb40 HTS	



GENERAL CHARACTERISTICS:

Sn60Pb40 HTS is a ternary solder alloy with a high resistance to oxidation and for use at high temperature.

Sn60Pb40 HTS is produced exclusively by MBO.

CHEMICAL CHARACTERISTICS:

Amount of Tin : 60 % ± 1%
Amount of Lead : Rest
Amount of Copper : < 0.15 %
Copper is not an impurity in this instance, but added.

PHYSICAL CHARACTERISTICS:

Melting point : Solidus 183°C – Liquidus 190°C
Specific weight : 8.5 g/cm³
Working temp. : 380°C

METHODS OF USE:

This alloy is especially suitable for soldering parts used at high temperatures, and can be used in pots and baths.

A surface film forms at 380°C which allows the penetration of wire for tinning but stops air oxidising the molten alloy.

In particular this works very well strip/tinning enamelled copper wires.

PACKAGING / STORAGE:

Standard : Sticks – 380x16x8mm in cartons of 25 kg.
Extruded bars in cartons of approx. 22 kg. Solid wires ...
Other product shape : On request
Storage : In original packaging at room temperature for 12 months.

SAFETY:

Material Safety Data Sheet available on request. Please consult it before use.

ADDITIONAL INFORMATION:

Our manufacturing processes have been subjected to FMECA analysis (equivalent of AMDEC in France).
Quality Certificate available on request.



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