


Update: 10/09/2019	TECHNICAL DATA SHEET	
Ref: Wire	Fluidel 5 Solder Wire	
Created on: 09/02/2001	Sn60Pb40 S45V	



GENERAL CHARACTERISTICS:

This binary soldering alloy is produced from 'first melting' tin and lead and conforms to standards ISO 9453 : alloy n° 104.

CHEMICAL CHARACTERISTICS:

Amount of Tin : 60 % ± 0.5%
Amount of Lead : Rest
Tin and Lead from first melting, with purity of 99.96 %
Type of cored flux : S45V
Amount of cored flux : available in 1% (standard). Other: consult us.

PHYSICAL AND CHEMICAL CHARACTERISTICS:

ALLOY : Sn60Pb40

Melting point : Solidus 183°C to liquidus 190°C
Specific weight : 8.5 g/cm³
Wire diameter : from 0.3mm to 5 mm

FLUX : S45V

Synthetic resin.
Halide content : 0 %
Acid value: 230 mgKOH/g
Non corrosive (Complies with copper mirror test)
S45V flux is classified **RELO** according to J-STD 004.
Solderability : good on copper and excellent onto surfaces of tin and lead.
Low spattering

USING CHARACTERISTICS:

Working temperature : 370°C to 420°C

PACKAGING / STORAGE:

Solder wire : Various types of reels available adapted to Customer's needs.
Depending on diameter and length.
Other product shape : On request
Storage : In original packaging at 20°C for 12 months.

SAFETY:

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

ADDITIONAL INFORMATION:

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



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