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BLT SOLDER WIRE
Sn60Pb40 S45V

1 GENERAL CHARACTERISTICS:

A binary soldering alloy of high quality Tin/Lead from metals of "first smelting" offering good solderability to pre-tinned surfaces.

Flux incorporated is a synthetic type S45V leaving no corrosive elements in residues. S45V is a new generation rosin free flux designed to maintain soldering speed and high quality joints with the added benefits of a pleasant odor, minimal residues, low fume emission and conforming to the requirements of the H&SE for a reduction of fume carried colophony particulates.

S45V residues are free of all corrosive elements and are minimal. This solder wire is therefore classed as no-clean type.

Alloy conforms to standards; B.S.219 grade KP-BS EN alloy No2a - Din 1707L.

2 CHEMICAL CHARACTERISTICS:

Alloy

2.1 Tin and lead of first smelting purity

2.2 Amount of tin : Sn 60% + 1%

2.3 Amount of lead : The remainder

2.4 Chart of maximum impurities:-

Cu	Ag	Cd	Sb	Bi	Fe	Zn	Al	As	Other
0.05%	0.005%	0.002%	0.05%	0.01%	0.02%	0.001%	0.001%	0.01%	0.05%

Incorporated Flux

3.5 Type : S45V

3.6 Amount of flux : BS441 Grade 1 ; 1.3% + 1.5%

3.7 Base : Synthetic Bio-degradable Activators

3.8 Acid No. : IA220

3.9 Chlorine rate : 0.0%

3.10 Corrosiveness : Non Corrosive

3.11 Copper Mirror Test : Meets all requirements.

3 PHYSICAL CHARACTERISTICS:

3.1 Melting point : 183 C to 190 C.

3.2 Working temperature : 300 C to 400 C.

3.3 Specific weight : 8.5

3.4 Wire dimensions : Diameters from 0.3mm to 3.0mm

4 PACKAGING:

4.1 Supplied : On plastic spools of 250g -500g -1Kg.

4.2 Identification : Bobbins supplied with labels bearing size/type information and batch no.

4.3 Quality Assurance : Manufactured under ISO9002. Certificates of conformity can be issued for each shipment batch if requested at the time of ordering.

Chemical Systems for Electronics
