

Technical Bulletin

TSC Leaded Solid Solder Wire

DESCRIPTION

TSC Leaded Solid Solder Wire is supplied as a 60/40 alloy as standard. The use of a solid wire offers you the ability to undertake finer detailed soldering work than would be otherwise achievable with larger blowpipe or tinman's sticks, due to both the lack of accessibility & excessive volume created once melted. The lower melting temperature will also help prevent distortion when soldering sheet panels and give the opportunity to create step soldering when adding finer details.

A solid wire will also give you the ability to choose a flux formulation that is specifically designed to remove the oxides from the metal substrates you are working on, brass, copper, steel, iron etc. Once a correct flux has been chosen, the 60/40 solder will flow smoothly, offering good capillary action and creating a solder joint on most metals used in engineering today.

For flux recommendation view our 'Soldering of Metals guide' or contact a member of our technical team.

This wire is supplied on 50g reels as standard but may be available in larger quantities on request.

FEATURES & BENEFITS

- Liquidus range 183°C - 190°C
- Low Viscosity, high mobility
- Ultra low impurity levels.
- Refined grain structure.
- Meets IPC J-STD -006

ALLOY AVAILABILITY

Grade	Melting or Solidus / Liquidus Temp °C
Sn60/Pb40	183 - 190

APPLICATION

It is important to match the geometry of the solder tip to the size of lead or component pad you are working on. As a guide line for lead free solders a tip temperature of between 370° - 425°C is ideally suited.

HANDLING & STORAGE

Indefinite shelf life applies to solid solder. For other product categories, refer to those specific TDSs. Consult MSDS for additional handling procedures and precautions.

HEALTH & SAFETY

Use with adequate ventilation and proper personal protective equipment. Refer to the accompanying Safety Data Sheet for any specific emergency information. Do not dispose of any hazardous materials in non-approved containers.

The information contained herein is based on data considered accurate and is offered at no charge. No warranty is expressed or implied regarding the accuracy of this data. Liability is expressly disclaimed for any loss or injury arising out of the use of this information or the use of the materials designated.

solderconnection.com

Unit 5 | Severn Link Distribution Centre
Chepstow | Monmouthshire | NP16 6UN

sales@solderconnection.co.uk
Office: 01291 624 400

