

Technical Bulletin

TSC PURALLOY® GRADE D SOLDER ALLOY

DESCRIPTION

TSC Puralloy® Grade D (30/70) solder alloy is typically used in industrial applications where a large pasty range is needed to create a certain fillet joint or coverage across the metal substrate. This easily workable solder alloy finds its way into the automotive trade where it's the go to solder for Lead Loading techniques on older historical vehicles needing repair to fill in damage and indentations. Works with all flux types.

TSC Puralloy® Grade D solder alloy is available in 1/2 kg Bars, Tinmans, Blowpipe & Solid Wire. Other formats may be available on request.

FEATURES & BENEFITS

- Liquidus range 183-258°C
- Low impurity levels.
- Refined grain structure.
- Meets BS 9453 2020
- Grade D is composed of Tin, Antimony and Lead
- Density: 1.35.

TYPICAL COMPOSITION

| Typical Alloy Composition | | |
|---------------------------|---------|---------|
| Sn: 30 | Pb: BAL | Sb: 1.5 |

MELTING TEMPERATURE RANGE

| Typical Melting Temperature |
|-----------------------------|
| 183- 258°C |

HANDLING & STORAGE

Indefinite shelf life applies to solid solder. For other product categories, refer to those specific TDSs. Consult Grade D 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.

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