



TSC PURALLOY® GRADE H SOLDER ALLOY

DESCRIPTION

Puralloy® Grade H 35/65 (Sn/Pb) is a leaded solder alloy incorporating tin and lead, with a melting range of between 183-247°C. Historically this alloy is used for a wide range of Industrial applications, whilst being favoured by Utility companies. Grade H has wide pasty range which allows for movement and re-alignment before returning to solid.

Grade H is generally seen as a cheaper alternative to 60/40 solder when wiping & sweating solder joints, as it has one of the lowest tin contents of offered leaded alloys, making it one of the most cost-effective options for soldering. Grade H has a duller finish, which can sometimes be an advantage when again compared to higher tin materials

TSC Puralloy® Grade H solder alloy is available in a variety of formats 1 kg Bars, 3kg Ingots & Feed Wire. Chunks & Pellets are also available to assist in new pot fills on request.

Product Features & Benefits

- Leaded Solder Alloy (Sn/Pb)
- BSEN29453 Alloy Number 6
- Melt Point – 185-247°C
- Ideal for Industrial applications including within Utility companies
- Available in a range of formats including Bar, Tinman Sticks, Blowpipe and Feed Wire

TYPICAL COMPOSITION

Typical Alloy Composition	
Sn: 35	Pb: 65

MELTING TEMPERATURE RANGE

Typical Melting Temperature
185 - 247°C

TECHNICAL SPECIFICATIONS

	Specifications
Density (g/cm³)	9.50
Electrical Resistivity (micro- ohms/m)	0.176
Thermal Conductivity (W/m K)	48
Tensile Strength (kgf/cm2)	420
Tensile Elongation (%)	35
Brinell Hardness (HB)	12

HANDLING & STORAGE

Indefinite shelf life applies to solid solder. For other product categories, refer to those specific TDSs. Consult **Sn35 Pb65** 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.

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