



Technical Bulletin

TSC PURALLOY 96S SOLDER ALLOY

DESCRIPTION

TSC PURALLOY 96S solder alloy has been historically used within the electronics industry across a number of processes, where a higher temperature lead free alloy is needed. This alloy performs very well in its solderability and capillary action when used on stainless steel and similar high nickel alloys, giving excellent fill strength when used in conjunction with an appropriate stainless steel flux, like TSC A8

TSC PURALLOY Sn96S solder alloy is available in Bar, Tinmans, Blowpipe and Wire. Chunks & Pellets are also available to assist in new pot fills on request.

Product Features & Benefits

- Liquidus 217°C
- Complies with BS EN ISO 9453:2020
- Density 7.4 g/Cm³
- Tensile strength 52 Nmm²
- Complies with IPC J-STD-006

TYPICAL COMPOSITION

Typical Alloy Composition	
Sn: 96	Ag: 4

MELTING TEMPERATURE RANGE

Typical Melting Temperature
217°C

HANDLING & STORAGE

Indefinite shelf life applies to solid solder. For other product categories, refer to those specific TDSs. Consult SAC305 MSDS for additional handling procedures and precautions.

Parameter	Time	Temperature
Shelf Life	Indefinite	Room Temperature

FLUX COMPATIBILITY

TSC Puralloy 96S Alloy has been proven to work well, both with today's electronic and industrial flux technologies. Please contact one of our technical sales team to discuss your specific soldering application where we would be happy to advise you on our most suitable flux chemistry.

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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