

## DURA-PURE SN96/AG4 LEAD-FREE SOLDER ALLOY

### FEATURES

- High Purity
- Melting Temperature 221°C-225°C (430°F-437°F)

### DESCRIPTION

Sn96/Ag4 is a lead-free solder alloy comprised of 96% tin and 4% silver. This alloy and other tin/silver alloys are used for high-temperature/high-reliability interconnect applications. Tin/silver alloys typically are used in electronic assembly, die attach, thick film, and applications in which the use of lead is prohibitive. Sn96/Ag4 has a melting temperature of 221°C-225°C (430°F-437°F).



### AVAILABILITY

P/N	Description	Weight	Diameter	QTY
84394	Dura-Pure 96/4 Solid Wire Solder	113 g (1/4 lb)	3 mm (0.125 in)	48
84395	Dura-Pure 96/4 Solid Wire Solder	227 g (1/2 lb)	3 mm (0.125 in)	48
84396	Dura-Pure 96/4 Solid Wire Solder	454 g (1 lb)	3 mm (0.125 in)	24
84397	Dura-Pure 96/4 Solid Wire Solder	2.27 kg (5 lb)	3 mm (0.125 in)	8
84398	Dura-Pure 96/4 Solid Wire Solder	9.08 kg (20 lb)	3 mm (0.125 in)	2

### TYPICAL ALLOY COMPOSITION

Typical Alloy Composition	
Sn: Balance	Ag: 4.0

### TYPICAL TENSILE STRENGTH

Ultimate Tensile Strength (MPa)	Ultimate Tensile Strength (psi)
42	6000

### HANDLING & STORAGE

Parameter	Time	Temperature
Shelf Life	Indefinite	Room Temperature

Indefinite shelf life applies to solid solder. For other product categories, refer to those specific TDSs. Consult AIM Sn96/Ag4 SDS for additional handling procedures and precautions.

### FLUX COMPATIBILITY

Nitro Flux is the preferred product for use with Dura-Pure Sn96/Ag4 although Dura-Pure Sn96/Ag4 is compatible with most major grades of fluxes.

### SAFETY

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