

# 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**

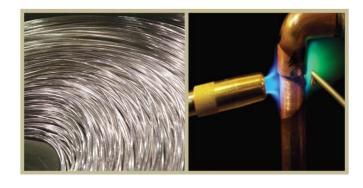
P/N	Description	Weight	Diameter	QTY
84394	Dura-Pure 96/4 Solid Wire Solder	113 g (1/4 lb)	3 mm (0.125 in)	48
84395	Dura-Pure 96/4 Solid Wire Solder	227 g (1/2 lb)	3 mm (0.125 in)	48
84396	Dura-Pure 96/4 Solid Wire Solder	454 g (1 lb)	3 mm (0.125 in)	24
84397	84397 Dura-Pure 96/4 Solid Wire Solder		3 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	Ultimate Tensile Strength	
(MPa)	(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.

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