

SAC305 LEAD-FREE SOLDER ALLOY

FEATURES

- Liquidus 220°C (428°F)
- Ocompatible with all Flux Types
- Excellent Wetting Speed
- Excellent Solderability and Spreading
- Reduced Bridging Versus Sn-Cu Alloys
- Manufactured with AIM Electropure[™] Technology
- Occupies with IPC J-STD-006

DESCRIPTION

SAC305 lead-free alloy contains 96.5 % tin, 3% silver, and 0.5% copper and is RoHS, REACH and JEIDA compliant. Applications include Wave, Selective, Hand and SMT Reflow Soldering. AIM Electropure[™] SAC305 bar solder offers reduced dross production and superior wetting and fluidity as compared to other solder brands. AIM's SAC305 bar solder is alloyed using our proprietary Electropure[™] method resulting in a low drossing, high wetting solder. AIM Electropure[™] SAC305 may be used with all existing lead-free compatible equipment, processes, coatings, and flux chemistries.

AVAILABILITY

SAC305 is available in 1.1 kg (2.5 lb) triangular bars, hanging AIM Safety Bar and Solid Wire. SAC305 is also available in AIM flux cored wire solders and solder pastes.

TYPICAL ALLOY COMPOSITION

Typical Alloy Composition			
Sn: Balance	Ag: 3.0	Cu: 0.5	

TYPICAL MELTING TEMPERATURE

Typical Melting Temperature			
Solidus: 217°C (423°F)	Liquidus: 220°C (428°F)		



HANDLING & STORAGE

Parameter	Time	Temperature
Shelf Life	7 years	Room Temperature

Solid wire and bar solder products have a shelf life of 7 years under proper storage conditions. For other product categories, refer to those product specific TDS's. Consult the SDS for specific handling procedures.

FLUX COMPATIBILITY

SAC305 bar solder is compatible with all major brands of noclean and water soluble electronic grade fluxes.

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.

DISCLAIMER The information contained herein is based on data considered accurate and is offered at no charge. Product information is based upon the assumption of proper handling and operating conditions. Liability is expressly disclaimed for any loss or injury arising out of the use of this information or the use of any materials designated. Please refer to http://www.aimsolder.com/terms-conditions to review AIM's terms and conditions.