

PRODUCT DATA SHEET

Bar Solder

Introduction

Indium Corporation manufactures **bar solder** specifically to surpass the strict quality demands of the surface mount industry in order to provide more consistent and reliable performance. **Bar solder** is available in a full range of SnPb and Pb-free alloys, including industry standard Sn63 and SAC305. To eliminate the chance of contaminating Pb-free solder with Pb, ingots come in two shapes to designate the alloy. All **bar solder** complies with the requirements of ASTM B-32, J-STD-006 (formerly QQS-571F) and JIS-Z-3282.

Indium Corporation also features RoHS-compliant Sn99.5 Pb-free **bar solder** (99.5Sn, 0.5Cu + Co), which is manufactured from electrolytically processed tin, copper, and cobalt to create a solder so pure it far exceeds the most common specification requirements. The addition of cobalt forms shiny, uniform joints, and reduces the amount of dross generated during wave soldering. The melting point is approximately 228°C and recommended operating temperatures are between 260–270°C.

Standard Packaging and Availability

Bar solder ingots are packed in 25lb boxes. Deliveries can be arranged to suit your production schedule.

Solder Bar Alloy	Shelf Life
Tin-Lead Alloys	Indefinite
Lead-Free Alloys	
High-Lead Alloys (>80%)	

Bar solder has an indefinite shelf life when stored in a dry, non-corrosive location. It is possible that the surface may lose its shiny appearance, resulting in a dull shade of gray. This is the result of a surface phenomenon and will not impact the product's performance.

Technical Support

Indium Corporation's internationally experienced engineers provide in-depth technical assistance to our customers. Thoroughly knowledgeable in all facets of Material Science as it applies to the electronics and semiconductor sectors, Technical Support Engineers provide expert advice in solder properties, alloy compatibility and selection of solder preforms, wire, ribbon, and paste. Indium Corporation's Technical Support Engineers provide rapid response to all technical inquiries.

Safety Data Sheets

The SDS for this product can be found online at <http://www.indium.com/sds>



Pb-free bar solder



SnPb bar solder

Ask Us About...

The Solder and Solder Dross Recycle Program is a service offered by Indium Corporation to complete the usage cycle for **bar solder**. Up to 50% of **bar solder** used in wave soldering will be converted to dross, which still contains mostly usable metal. Indium Corporation can recycle these materials and return the metal value to you as a credit, or convert them to usable bar for a fee. During an alloy switchover, use Indium Corporation's recycling service to reclaim value on the pot dump and leftover bar. For more information about our Solder and Solder Dross Recycle Program, please send an email to askus@indium.com.

This product data sheet is provided for general information only. It is not intended, and shall not be construed, to warrant or guarantee the performance of the products described which are sold subject exclusively to written warranties and limitations thereon included in product packaging and invoices. All Indium Corporation's products and solutions are designed to be commercially available unless specifically stated otherwise.

From One Engineer To Another®

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