

PRODUCT DATA SHEET

AuLTRA® Fine Ribbon

for Die-Attach Applications

Introduction

Indalloy®182 (80Au/20Sn) is a great choice to ensure good performance and reliability for applications requiring a high-melting die-attach solder. Indalloy®182 is generally chosen due to its good thermal conductivity; high sheer, yield, and tensile strength; excellent wettability; and resistance to corrosion. Indium Corporation developed our **AuLTRA® Fine Ribbon**, Indalloy®182 fine-grade precision ribbon, for high-volume, fully automated laser diode assembly processes. For these auto-feed systems, the precision and quality of the ribbon and spooling is of the utmost importance along with long, continuous lengths. These features help minimize production downtime and facilitate an efficient, high-throughput process resulting in a high-quality end product and low-cost of ownership.

Features

- Precision AuSn die-attach ribbon
- No warping, bends, or breaks
- Long continuous lengths for auto-feed systems

Ribbon Dimensions

Indium Corporation's **AuLTRA® Fine Ribbon** has been designed with 0.010" width and 0.0006" thick capabilities, with a broad range of sizes available. We can work with you on your specific dimensional requirements. Whether you are looking for large quantities of **AuLTRA® Fine Ribbon** in specific widths and thicknesses for automatic die bonding, or a few feet to do testing, Indium Corporation can accommodate your needs. We can work with you on your specific dimensional requirements.

Packaging

AuLTRA® Fine Ribbon can be packaged at 15+ meters of continuous length per spool. Precision spools are used to ensure compatibility with auto-feed systems; however, if you have specialized needs, such as spool size, quantity per spool, or other requirements, we can meet your unique specifications. Each order can be shipped with a Certificate of Analysis, which includes information on metallic impurities.



Storage

Store **AuLTRA® Fine Ribbon** in the original container, closed securely, in 55% RH or less at or below normal room temperature (~70°F/21°C). It can also be stored in an inert atmosphere, such as a nitrogen dry box.

Technical Support

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

Safety Data Sheets

Please refer to the SDS document within the product shipment, or contact our local team to receive a copy.

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.

All of Indium Corporation's solder paste and preform manufacturing facilities are IATF 16949:2016 certified. Indium Corporation is an ISO 9001:2015 registered company.

From One Engineer To Another®

Contact our engineers: askus@indium.com

Learn more: www.indium.com



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