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. Our AuLTRA™-Fine Ribbon has excellent, clean, and smooth-edge quality with straight runs and no warping or bends. It has been designed for high-volume capacity and is packaged on precision spools suitable for auto-feed systems.

Features
• Precision AuSn die-attach ribbon
• Excellent, clean, and smooth-edge quality
• 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
The SDS for this product can be found online at http://www.indium.com/sds

From One Engineer To Another
Contact our engineers: askus@indium.com
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