

## TECHNICAL DATA SHEET

# Indalloy<sup>®</sup>163 Preforms and Ribbon

### Indalloy<sup>®</sup>163 Properties

Indalloy <sup>®</sup> Number	Liquidus (°C)	Solidus (°C)	Elemental Composition (% by Mass)	Density gm/cm <sup>3</sup>	Electrical Conductivity (100% = 1/1.72μohms-cm, % of IACS)	Thermal Coefficient Expansion @ 20°C PPM/°C	Thermal Conductivity @ 85°C W/cm-°C	Tensile Strength (psi)	Shear Strength (psi)	Young Modulus (psi)
163	304	299	95.5Pb/2.5Ag/2.0Sn	11.2	8.60%	28	0.26	4,210	2,100	3.54 x 10 <sup>6</sup>

### Available Forms

Indalloy<sup>®</sup>163 solder is available as ribbon, preforms, and InFORMS<sup>®</sup>, as well as wire and paste. Preform shapes include discs, squares/rectangles, washers, frames, and special shapes.

### Technical Support

Indium Corporation sets the industry standard in providing Indium Corporation sets the industry standard in providing rapid response, onsite technical support for our customers worldwide. Indium Corporation's team of Technical Support Engineers can provide expertise in all aspects of Materials Science and Semiconductor Packaging process applications.

### 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<sup>®</sup>**

Contact our engineers: [askus@indium.com](mailto:askus@indium.com)

Learn more: [www.indium.com](http://www.indium.com)



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