

## Indium Corp. Indalloy® Sn62 Sn-Pb-Ag Solder Alloy

Category : Metal , Nonferrous Metal , Lead Alloy , Solder/Braze Alloy , Tin Alloy

### Material Notes:

Good general purpose solder. Can be used on silver bearing surfaces to reduce scavenging. Information provided by the manufacturer, Indium Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Indium-Corp-Indalloy-Sn62-Sn-Pb-Ag-Solder-Alloy.php](http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-Sn62-Sn-Pb-Ag-Solder-Alloy.php)

Physical Properties	Metric	English	Comments
Density	8.41 g/cc	0.304 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	48.3 MPa	7010 psi	
Shear Strength	52.0 MPa	7540 psi	Shear Bond Holding Strength

Thermal Properties	Metric	English	Comments
CTE, linear	27.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	15.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 $\text{Å}^\circ\text{C}$	@Temperature 68.0 $\text{Å}^\circ\text{F}$	
Thermal Conductivity	50.0 W/m-K	347 BTU-in/hr-ft <sup>2</sup> - $\text{Å}^\circ\text{F}$	
	@Temperature 85.0 $\text{Å}^\circ\text{C}$	@Temperature 185 $\text{Å}^\circ\text{F}$	
Melting Point	179 - 179 $\text{Å}^\circ\text{C}$	354 - 354 $\text{Å}^\circ\text{F}$	
Solidus	179 $\text{Å}^\circ\text{C}$	354 $\text{Å}^\circ\text{F}$	
Liquidus	179 $\text{Å}^\circ\text{C}$	354 $\text{Å}^\circ\text{F}$	

Component Elements Properties	Metric	English	Comments
Lead, Pb	36 %	36 %	
Silver, Ag	2.0 %	2.0 %	
Tin, Sn	62 %	62 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000140 ohm-cm	0.0000140 ohm-cm	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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