

## Indium Corp. Indalloy 170 Pure Lead

Category : Metal , Nonferrous Metal , Lead Alloy , Solder/Braze Alloy , Pure Element

### Material Notes:

Information Provided by Indium Corporation

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Indium-Corp-Indalloy-170-Pure-Lead.php](http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-170-Pure-Lead.php)

Physical Properties	Metric	English	Comments
Density	11.35 g/cc	0.4100 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	4.0	4.0	
Tensile Strength at Break	12.4 MPa	1800 psi	
Elongation at Break	55 %	55 %	
Modulus of Elasticity	18.0 GPa	2610 ksi	
Shear Strength	12.4 MPa	1800 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	29.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	16.1 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 $\text{Å}^\circ\text{C}$	@Temperature 68.0 $\text{Å}^\circ\text{F}$	
Thermal Conductivity	35.0 W/m-K	243 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	327 $\text{Å}^\circ\text{C}$	621 $\text{Å}^\circ\text{F}$	
Solidus	327 $\text{Å}^\circ\text{C}$	621 $\text{Å}^\circ\text{F}$	
Liquidus	327 $\text{Å}^\circ\text{C}$	621 $\text{Å}^\circ\text{F}$	

Component Elements Properties	Metric	English	Comments
Lead, Pb	100 %	100 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000220 ohm-cm	0.0000220 ohm-cm	

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

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