

## Indium Corp. Indalloy 229 Lead Solder Alloy

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

**Material Notes:**

Information Provided by Indium Corporation

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Indium-Corp-Indalloy-229-Lead-Solder-Alloy.php](http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-229-Lead-Solder-Alloy.php)

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

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.5 MPa	4420 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$	16.7 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 $\text{Å}^\circ\text{C}$	@Temperature 68.0 $\text{Å}^\circ\text{F}$	
Thermal Conductivity	23.0 W/m-K	160 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	304 - 365 $\text{Å}^\circ\text{C}$	579 - 689 $\text{Å}^\circ\text{F}$	
Solidus	304 $\text{Å}^\circ\text{C}$	579 $\text{Å}^\circ\text{F}$	
Liquidus	365 $\text{Å}^\circ\text{C}$	689 $\text{Å}^\circ\text{F}$	

Component Elements Properties	Metric	English	Comments
Lead, Pb	94.5 %	94.5 %	
Silver, Ag	5.5 %	5.5 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000290 ohm-cm	0.0000290 ohm-cm	

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