

## Indium Corp. Indalloy® 206 Pb-In Solder Alloy

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

**Material Notes:**

Indalloy's #7, #10, #150, #204, #205 and #206 comprise a group of lead-indium solders designed to cover the temperature range of 165°C-275°C. All have the minimum gold-leaching characteristics of lead-indium as well as good thermal fatigue properties. Information provided by the manufacturer, Indium Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Indium-Corp-Indalloy-206-Pb-In-Solder-Alloy.php](http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-206-Pb-In-Solder-Alloy.php)

Physical Properties	Metric	English	Comments
Density	9.30 g/cc	0.336 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	34.5 MPa	5000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	26.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	14.4 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 $\text{Å}^\circ\text{C}$	@Temperature 68.0 $\text{Å}^\circ\text{F}$	
Thermal Conductivity	19.0 W/m-K	132 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	197 - 231 $\text{Å}^\circ\text{C}$	387 - 448 $\text{Å}^\circ\text{F}$	
Solidus	197 $\text{Å}^\circ\text{C}$	387 $\text{Å}^\circ\text{F}$	
Liquidus	231 $\text{Å}^\circ\text{C}$	448 $\text{Å}^\circ\text{F}$	

Component Elements Properties	Metric	English	Comments
Indium, In	40 %	40 %	
Lead, Pb	60 %	60 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000330 ohm-cm	0.0000330 ohm-cm	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China