

## Indium Corp. Indalloy® 181 Sn-Pb-Cd Solder Alloy

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

**Material Notes:**

Good general purpose solder in the medium temperature range. Maintains its creep strength well. Not applicable against gold. Information provided by the manufacturer, Indium Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Indium-Corp-Indalloy-181-Sn-Pb-Cd-Solder-Alloy.php](http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-181-Sn-Pb-Cd-Solder-Alloy.php)

Physical Properties	Metric	English	Comments
Density	8.45 g/cc	0.305 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	43.2 MPa	6270 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	24.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	13.3 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@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	145 $\text{Å}^\circ\text{C}$	293 $\text{Å}^\circ\text{F}$	Eutectic
Solidus	145 $\text{Å}^\circ\text{C}$	293 $\text{Å}^\circ\text{F}$	
Liquidus	145 $\text{Å}^\circ\text{C}$	293 $\text{Å}^\circ\text{F}$	

Component Elements Properties	Metric	English	Comments
Cadmium, Cd	18.2 %	18.2 %	
Lead, Pb	30.6 %	30.6 %	
Tin, Sn	51.2 %	51.2 %	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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