

Indium Corp. Indalloy® 151 Pb-Sn-Ag Solder Alloy

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

Material Notes:

Similar to Indalloy #165 (Standard lead-silver-tin eutectic solder with wide application in semiconductor assembly.) Information provided by the manufacturer, Indium Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-151-Pb-Sn-Ag-Solder-Alloy.php

Physical Properties	Metric	English	Comments
Density	11.02 g/cc	0.3981 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	29.0 MPa	4210 psi	
Modulus of Elasticity	13.8 GPa	2000 ksi	
Shear Strength	15.4 MPa	2230 psi	Shear Bond Holding Strength

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 $\text{Å}^\circ\text{F}$	
Specific Heat Capacity	0.130 J/g- $\text{Å}^\circ\text{C}$	0.0311 BTU/lb- $\text{Å}^\circ\text{F}$	Solid
Melting Point	287 - 296 $\text{Å}^\circ\text{C}$	549 - 565 $\text{Å}^\circ\text{F}$	
Solidus	287 $\text{Å}^\circ\text{C}$	549 $\text{Å}^\circ\text{F}$	
Liquidus	296 $\text{Å}^\circ\text{C}$	565 $\text{Å}^\circ\text{F}$	

Component Elements Properties	Metric	English	Comments
Lead, Pb	92.5 %	92.5 %	
Silver, Ag	2.5 %	2.5 %	
Tin, Sn	5.0 %	5.0 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000200 ohm-cm	0.0000200 ohm-cm	

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