

Indium Corp. Indalloy® 165 Pb-Ag-Sn Solder Alloy

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

Material Notes:

Standard lead-silver-tin eutectic solder with wide application in semiconductor assembly. Often used in reducing atmospheres such as 12% hydrogen. Slightly better corrosion resistance than #101. Information provided by the manufacturer, Indium Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-165-Pb-Ag-Sn-Solder-Alloy.php

Physical Properties	Metric	English	Comments
Density	11.28 g/cc	0.4075 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	9.5	9.5	
Tensile Strength, Ultimate	30.5 MPa	4420 psi	
Elongation at Break	23 %	23 %	

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	16.7 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 $\text{Å}^\circ\text{C}$	@Temperature 68.0 $\text{Å}^\circ\text{F}$	
Thermal Conductivity	23.0 W/m-K	160 BTU-in/hr-ft ² - $\text{Å}^\circ\text{F}$	
	@Temperature 85.0 $\text{Å}^\circ\text{C}$	@Temperature 185 $\text{Å}^\circ\text{F}$	
Melting Point	309 - 309 $\text{Å}^\circ\text{C}$	588 - 588 $\text{Å}^\circ\text{F}$	
Solidus	309 $\text{Å}^\circ\text{C}$	588 $\text{Å}^\circ\text{F}$	
Liquidus	309 $\text{Å}^\circ\text{C}$	588 $\text{Å}^\circ\text{F}$	

Component Elements Properties	Metric	English	Comments
Lead, Pb	97.5 %	97.5 %	
Silver, Ag	1.5 %	1.5 %	
Tin, Sn	1.0 %	1.0 %	

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