

Indium Corp. Indalloy® 171 Pb-Sn Solder Alloy

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

Material Notes:

Wide application in soldering. Information provided by the manufacturer, Indium Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-171-Pb-Sn-Solder-Alloy.php

Physical Properties	Metric	English	Comments
Density	11.06 g/cc	0.3996 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	8.0	8.0	
	@Load 100 kg, Time 30.0 sec	@Load 220 lb, Time 0.00833 hour	
Tensile Strength, Ultimate	27.6 MPa	4000 psi	
Elongation at Break	45 %	45 %	
Shear Strength	14.5 MPa	2100 psi	Shear Bond Holding Strength

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 $\mu\text{m/m}\cdot\text{C}^\circ$	16.7 $\mu\text{in/in}\cdot\text{F}^\circ$	
	@Temperature 20.0 C°	@Temperature 68.0 F°	
Thermal Conductivity	23.0 W/m-K	160 BTU-in/hr-ft ² - F°	
	@Temperature 85.0 C°	@Temperature 185 F°	
Melting Point	308 - 312 C°	586 - 594 F°	
Solidus	308 C°	586 F°	
Liquidus	312 C°	594 F°	

Component Elements Properties	Metric	English	Comments
Lead, Pb	95 %	95 %	
Tin, Sn	5.0 %	5.0 %	

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

Electrical Properties

Metric

English

Comments

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