

Indium Corp. Indalloy® 290 In-Ag Solder Alloy

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

Material Notes:

Indium with silver added to improve strength. Has the wettability and low-temperature malleability of indium. Particularly useful for cryogenic applications. Information provided by the manufacturer, Indium Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-290-In-Ag-Solder-Alloy.php

Physical Properties	Metric	English	Comments
Density	7.38 g/cc	0.267 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	2.0	2.0	
Tensile Strength, Ultimate	5.50 MPa	798 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	22.0 Âµm/m-Â°C	12.2 Âµin/in-Â°F	
	@Temperature 20.0 Â°C	@Temperature 68.0 Â°F	
Thermal Conductivity	73.0 W/m-K	507 BTU-in/hr-ftÂ²-Â°F	
	@Temperature 85.0 Â°C	@Temperature 185 Â°F	
Melting Point	143 Â°C	289 Â°F	Eutectic
Solidus	143 Â°C	289 Â°F	
Liquidus	143 Â°C	289 Â°F	

Component Elements Properties	Metric	English	Comments
Indium, In	97 %	97 %	
Silver, Ag	3.0 %	3.0 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000750 ohm-cm	0.00000750 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