

## Indium Corp. Indalloy® 201 Sn-Zn Solder Alloy

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

### Material Notes:

Recommended for soldering to aluminum. Use flux #3. Zn causes high drossing, short shelf life as solder paste. Information provided by the manufacturer, Indium Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Indium-Corp-Indalloy-201-Sn-Zn-Solder-Alloy.php](http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-201-Sn-Zn-Solder-Alloy.php)

Physical Properties	Metric	English	Comments
Density	7.27 g/cc	0.263 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	21.5	21.5	2mm ball
	@Load 4.00 kg	@Load 8.82 lb	
Tensile Strength, Ultimate	54.7 MPa	7930 psi	
Elongation at Break	32.5 %	32.5 %	

Thermal Properties	Metric	English	Comments
Heat of Fusion	71.2 J/g	30.6 BTU/lb	
Specific Heat Capacity	0.239 J/g-°C	0.0571 BTU/lb-°F	Solid
	0.272 J/g-°C	0.0650 BTU/lb-°F	Liquid
Thermal Conductivity	61.0 W/m-K	423 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 85.0 °C	@Temperature 185 °F	
Melting Point	199 °C	390 °F	Eutectic
Solidus	199 °C	390 °F	
Liquidus	199 °C	390 °F	

Component Elements Properties	Metric	English	Comments
Tin, Sn	91 %	91 %	
Zinc, Zn	9.0 %	9.0 %	

Electrical Properties	Metric	English	Comments
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Electrical Resistivity Electrical Properties	0.0000110 ohm-cm Metric	0.0000110 ohm-cm English	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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