

## Indium Corp. Indalloy 108 Tin-Lead Solder Alloy

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

**Material Notes:**Good pre-tinning alloy  
Information Provided by Indium Corporation

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Indium-Corp-Indalloy-108-Tin-Lead-Solder-Alloy.php](http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-108-Tin-Lead-Solder-Alloy.php)

Physical Properties	Metric	English	Comments
Density	8.16 g/cc	0.295 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	17	17	
Tensile Strength at Break	53.8 MPa	7800 psi	
Elongation at Break	30 %	30 %	
Modulus of Elasticity	35.0 GPa	5080 ksi	
Shear Strength	35.9 MPa	5200 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	22.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ @Temperature 20.0 $\text{Å}^\circ\text{C}$	12.2 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ @Temperature 68.0 $\text{Å}^\circ\text{F}$	
Melting Point	183 - 186 $\text{Å}^\circ\text{C}$	361 - 367 $\text{Å}^\circ\text{F}$	
Solidus	183 $\text{Å}^\circ\text{C}$	361 $\text{Å}^\circ\text{F}$	
Liquidus	186 $\text{Å}^\circ\text{C}$	367 $\text{Å}^\circ\text{F}$	

Component Elements Properties	Metric	English	Comments
Lead, Pb	30 %	30 %	
Tin, Sn	70 %	70 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000138 ohm-cm	0.0000138 ohm-cm	

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