

## Indium Corp. Indalloy 217-440 Bismuth-Lead-Tin Solder Alloy

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

**Material Notes:**

Information Provided by Indium Corporation

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Indium-Corp-Indalloy-217-440-Bismuth-Lead-Tin-Solder-Alloy.php](http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-217-440-Bismuth-Lead-Tin-Solder-Alloy.php)

Physical Properties	Metric	English	Comments
Density	9.30 g/cc	0.336 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	19	19	
Tensile Strength at Break	89.6 MPa	13000 psi	

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	0.167 J/g- <sup>o</sup> C	0.0399 BTU/lb- <sup>o</sup> F	Solid
Melting Point	103 - 227 <sup>o</sup> C	217 - 441 <sup>o</sup> F	
Solidus	103 <sup>o</sup> C	217 <sup>o</sup> F	
Liquidus	227 <sup>o</sup> C	441 <sup>o</sup> F	

Component Elements Properties	Metric	English	Comments
Antimony, Sb	9.0 %	9.0 %	
Bismuth, Bi	48 %	48 %	
Lead, Pb	28.5 %	28.5 %	
Tin, Sn	14.5 %	14.5 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000570 ohm-cm	0.0000570 ohm-cm	

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