

## Indium Corp. Indalloy® 261 Bismuth-Silver Solder Alloy

Category : Metal , Nonferrous Metal , Solder/Braze Alloy

**Material Notes:**

Information provided by the manufacturer, Indium Corporation of America.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Indium-Corp-Indalloy-261-Bismuth-Silver-Solder-Alloy.php](http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-261-Bismuth-Silver-Solder-Alloy.php)

Physical Properties	Metric	English	Comments
Density	9.85 g/cc	0.356 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength	55.2 MPa	8000 psi	
Elongation at Break	2.0 %	2.0 %	
Tensile Modulus	37.2 GPa	5400 ksi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	9.00 W/m-K @Temperature 85.0 °C	62.5 BTU-in/hr-ft <sup>2</sup> - °F @Temperature 185 °F	
Melting Point	262 - 360 °C	504 - 680 °F	
Solidus	262 °C	504 °F	
Liquidus	360 °C	680 °F	

Component Elements Properties	Metric	English	Comments
Bismuth, Bi	89 %	89 %	
Germanium, Ge	0.050 %	0.050 %	dopant
Silver, Ag	11 %	11 %	

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