

Indium Corp. Indalloy 259 Tin Solder Alloy

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

Material Notes:

Information Provided by Indium Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-259-Tin-Solder-Alloy.php

Physical Properties	Metric	English	Comments
Density	7.24 g/cc	0.262 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	42.08 MPa	6103 psi	
Elongation at Break	42.7 %	42.7 %	
Shear Strength	16.11 MPa	2336 psi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	49.0 W/m-K @Temperature 85.0 °C	340 BTU-in/hr-ft ² -°F @Temperature 185 °F	
Melting Point	250 - 272 °C	482 - 522 °F	
Solidus	250 °C	482 °F	
Liquidus	272 °C	522 °F	

Component Elements Properties	Metric	English	Comments
Antimony, Sb	10 %	10 %	
Tin, Sn	90 %	90 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000161 ohm-cm	0.0000161 ohm-cm	

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