

Indium Corp. Indalloy 132 Tin Solder Alloy

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

Material Notes:

High temperature electrical solderInformation Provided by Indium Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-132-Tin-Solder-Alloy.php

Physical Properties	Metric	English	Comments
Density	7.39 g/cc	0.267 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	13.7	13.7	
Tensile Strength at Break	55.2 MPa	8000 psi	
Elongation at Break	30 %	30 %	
Shear Strength	24.4 MPa	3540 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	23.0 $\mu\text{m/m-}^{\circ}\text{C}$ @Temperature 20.0 $^{\circ}\text{C}$	12.8 $\mu\text{in/in-}^{\circ}\text{F}$ @Temperature 68.0 $^{\circ}\text{F}$	
Specific Heat Capacity	0.230 J/g- $^{\circ}\text{C}$	0.0550 BTU/lb- $^{\circ}\text{F}$	Solid
Melting Point	221 - 240 $^{\circ}\text{C}$	430 - 464 $^{\circ}\text{F}$	
Solidus	221 $^{\circ}\text{C}$	430 $^{\circ}\text{F}$	
Liquidus	240 $^{\circ}\text{C}$	464 $^{\circ}\text{F}$	

Component Elements Properties	Metric	English	Comments
Silver, Ag	5.0 %	5.0 %	
Tin, Sn	95 %	95 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000137 ohm-cm	0.0000137 ohm-cm	

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