

Indium Corp. Indalloy® 228 Pb-Sn-Ag Solder Alloy

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

Material Notes:

(Sn10) High temp solder. Not recommended for applications above 120°C, due to formation of eutectic. Information provided by the manufacturer, Indium Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-228-Pb-Sn-Ag-Solder-Alloy.php

Physical Properties	Metric	English	Comments
Density	10.75 g/cc	0.3884 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	22.5 MPa	3260 psi	
Elongation at Break	42 %	42 %	

Thermal Properties	Metric	English	Comments
CTE, linear	29.0 µm/m-°C @Temperature 20.0 °C	16.1 µin/in-°F @Temperature 68.0 °F	
Specific Heat Capacity	0.143 J/g-°C	0.0342 BTU/lb-°F	Solid
Thermal Conductivity	27.0 W/m-K @Temperature 85.0 °C	187 BTU-in/hr-ft ² -°F @Temperature 185 °F	
Melting Point	267 - 299 °C	513 - 570 °F	
Solidus	267 °C	513 °F	
Liquidus	299 °C	570 °F	

Component Elements Properties	Metric	English	Comments
Lead, Pb	88 %	88 %	
Silver, Ag	2.0 %	2.0 %	
Tin, Sn	10 %	10 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000200 ohm-cm	0.0000200 ohm-cm	

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