

Indium Corp. Indalloy® 150 Pb-In Solder Alloy

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

Material Notes:

Indalloy's #7, #10, #150, #204, #205 and #206 comprise a group of lead-indium solders designed to cover the temperature range of 165°C-275°C. All have the minimum gold-leaching characteristics of lead-indium as well as good thermal fatigue properties. Information provided by the manufacturer, Indium Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-150-Pb-In-Solder-Alloy.php

Physical Properties	Metric	English	Comments
Density	10.27 g/cc	0.3710 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	38.3 MPa	5550 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	27.0 µm/m-°C	15.0 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	17.0 W/m-K	118 BTU-in/hr-ft ² -°F	
	@Temperature 85.0 °C	@Temperature 185 °F	
Melting Point	260 - 275 °C	500 - 527 °F	
Solidus	260 °C	500 °F	
Liquidus	275 °C	527 °F	

Component Elements Properties	Metric	English	Comments
Indium, In	19 %	19 %	
Lead, Pb	81 %	81 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000380 ohm-cm	0.0000380 ohm-cm	

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