

Indium Corp. Indalloy 11 Lead Solder Alloy

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

Material Notes:

Information Provided by Indium Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-11-Lead-Solder-Alloy.php

Physical Properties	Metric	English	Comments
Density	11.06 g/cc	0.3996 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	6.0	6.0	
	@Load 100 kg, Time 30.0 sec	@Load 220 lb, Time 0.00833 hour	
Tensile Strength at Break	29.9 MPa	4330 psi	
Elongation at Break	52 %	52 %	
Shear Strength	22.2 MPa	3220 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	29.0 Åµm/m-Å°C	16.1 Åµin/in-Å°F	
	@Temperature 20.0 Å°C	@Temperature 68.0 Å°F	
Thermal Conductivity	21.0 W/m-K	146 BTU-in/hr-ftÅ²-Å°F	
	@Temperature 85.0 Å°C	@Temperature 185 Å°F	
Melting Point	300 - 313 Å°C	572 - 595 Å°F	
Solidus	300 Å°C	572 Å°F	
Liquidus	313 Å°C	595 Å°F	

Component Elements Properties	Metric	English	Comments
Indium, In	5.0 %	5.0 %	
Lead, Pb	95 %	95 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000340 ohm-cm	0.0000340 ohm-cm	

Electrical Properties	Metric	English	Comments
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