

Indium Corp. Indalloy 23 Bismuth Solder Alloy

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

Material Notes:

Non-electrical solder for low-ambient temperature Information Provided by Indium Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-23-Bismuth-Solder-Alloy.php

Physical Properties	Metric	English	Comments
Density	9.60 g/cc	0.347 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	25	25	
Tensile Strength at Break	31.4 MPa	4550 psi	
Elongation at Break	30 %	30 %	

Thermal Properties	Metric	English	Comments
Melting Point	70.0 - 73.0 Â°C	158 - 163 Â°F	
Solidus	70.0 Â°C	158 Â°F	
Liquidus	73.0 Â°C	163 Â°F	

Component Elements Properties	Metric	English	Comments
Bismuth, Bi	50 %	50 %	
Cadmium, Cd	12.5 %	12.5 %	
Lead, Pb	25 %	25 %	
Tin, Sn	12.5 %	12.5 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000550 ohm-cm	0.0000550 ohm-cm	

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