

Indium Corp. Indalloy 240 Bismuth-Lead-Tin Solder Alloy

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

Material Notes:

Information Provided by Indium Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-240-Bismuth-Lead-Tin-Solder-Alloy.php

Physical Properties	Metric	English	Comments
Density	8.97 g/cc	0.324 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	41.4 MPa	6000 psi	
Elongation at Break	48 %	48 %	
Modulus of Elasticity	36.4 GPa	5280 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	22.0 $\mu\text{m/m-}^\circ\text{C}$ @Temperature 20.0 $^\circ\text{C}$	12.2 $\mu\text{in/in-}^\circ\text{F}$ @Temperature 68.0 $^\circ\text{F}$	
Melting Point	160 - 173 $^\circ\text{C}$	320 - 343 $^\circ\text{F}$	
Solidus	160 $^\circ\text{C}$	320 $^\circ\text{F}$	
Liquidus	173 $^\circ\text{C}$	343 $^\circ\text{F}$	

Component Elements Properties	Metric	English	Comments
Bismuth, Bi	8.0 %	8.0 %	
Lead, Pb	46 %	46 %	
Tin, Sn	46 %	46 %	

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