

AIM 63Sn/Pb37 Solder for Photonic Packaging

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

Material Notes:

Uses include:Fiber to Ferrule SolderingLaser Die AttachHermetic Packaging & SealingWetting & Sealing Laser OpticsThermal ManagementInformation provided by AIM Specialty Materials.

Order this product through the following link:

http://www.lookpolymers.com/polymer_AIM-63SnPb37-Solder-for-Photonic-Packaging.php

Physical Properties	Metric	English	Comments
Density	8.40 g/cc	0.303 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	221 MPa	32000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	25.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	13.9 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 20.0 $^\circ\text{C}$	@Temperature 68.0 $^\circ\text{F}$	
Melting Point	183 $^\circ\text{C}$	361 $^\circ\text{F}$	
Solidus	183 $^\circ\text{C}$	361 $^\circ\text{F}$	
Liquidus	183 $^\circ\text{C}$	361 $^\circ\text{F}$	

Component Elements Properties	Metric	English	Comments
Lead, Pb	37 %	37 %	
Tin, Sn	63 %	63 %	

Descriptive Properties	Value	Comments
Creep Resistance	Moderate	

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