

AIM 62Sn/Pb36/Ag2 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-62SnPb36Ag2-Solder-for-Photonic-Packaging.php

Physical Properties	Metric	English	Comments
Density	8.41 g/cc	0.304 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	317 MPa	46000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	27.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	15.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Melting Point	179 °C	354 °F	
Solidus	179 °C	354 °F	
Liquidus	179 °C	354 °F	

Component Elements Properties	Metric	English	Comments
Lead, Pb	36 %	36 %	
Silver, Ag	2.0 %	2.0 %	
Tin, Sn	62 %	62 %	

Descriptive Properties	Value	Comments
Creep Resistance	High	

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