

AIM 97In/3Ag Solder for Photonic Packaging

Category : Metal , Nonferrous Metal , Indium Alloy , Solder/Braze 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-97In3Ag-Solder-for-Photonic-Packaging.php

Physical Properties	Metric	English	Comments
Density	7.38 g/cc	0.267 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	37.9 MPa	5500 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	22.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	12.2 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Melting Point	146 °C	295 °F	
Solidus	146 °C	295 °F	
Liquidus	146 °C	295 °F	

Component Elements Properties	Metric	English	Comments
Indium, In	97 %	97 %	
Silver, Ag	3.0 %	3.0 %	

Descriptive Properties	Value	Comments
Creep Resistance	Poor	

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