

AIM 80In/Pb15/Ag5 Solder for Photonic Packaging

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

Material Notes:

Uses include: Fiber to Ferrule Soldering Laser Die Attach Hermetic Packaging & Sealing Wetting & Sealing Laser Optics Thermal Management Information provided by AIM Specialty Materials.

Order this product through the following link:

http://www.lookpolymers.com/polymer_AIM-80InPb15Ag5-Solder-for-Photonic-Packaging.php

Physical Properties	Metric	English	Comments
Density	7.85 g/cc	0.284 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	121 MPa	17500 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	26.0 µm/m-°C	14.4 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Melting Point	148 - 149 °C	298 - 300 °F	
Solidus	148 °C	298 °F	
Liquidus	149 °C	300 °F	

Component Elements Properties	Metric	English	Comments
Indium, In	80 %	80 %	
Lead, Pb	15 %	15 %	
Silver, Ag	5.0 %	5.0 %	

Descriptive Properties	Value	Comments
Creep Resistance	Moderate	

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