

AIM 96.5Sn/3.5Ag Solder for Photonic Packaging

Category : Metal , Nonferrous Metal , 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-965Sn35Ag-Solder-for-Photonic-Packaging.php

Physical Properties	Metric	English	Comments
Density	7.36 g/cc	0.266 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	262 MPa	38000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	21.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	11.7 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Melting Point	221 °C	430 °F	
Solidus	221 °C	430 °F	
Liquidus	221 °C	430 °F	

Component Elements Properties	Metric	English	Comments
Silver, Ag	3.5 %	3.5 %	
Tin, Sn	96.5 %	96.5 %	

Descriptive Properties	Value	Comments
Creep Resistance	High	

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