

AIM 88Au/12Ge Solder for Photonic Packaging

Category : Metal , Nonferrous Metal , Precious Metal , Gold 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-88Au12Ge-Solder-for-Photonic-Packaging.php

Physical Properties	Metric	English	Comments
Density	14.7 g/cc	0.531 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	1280 MPa	185000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	13.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	7.22 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Melting Point	356 °C	673 °F	
Solidus	356 °C	673 °F	
Liquidus	356 °C	673 °F	

Component Elements Properties	Metric	English	Comments
Germanium, Ge	12 %	12 %	
Gold, Au	88 %	88 %	

Descriptive Properties	Value	Comments
Creep Resistance	Excellent	

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