

Goodfellow Tin 60/Lead 39/Antimony 1 Alloy

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

Material Notes:

A general purpose, low melting point soft solder which can also be used as a protective coating and for metal film capacitors. Information provided by Goodfellow.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Goodfellow-Tin-60Lead-39Antimony-1-Alloy.php

Physical Properties	Metric	English	Comments
Density	8.42 g/cc	0.304 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	24.0 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	13.3 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	
	@Temperature 15.0 - 110 $^{\circ}\text{C}$	@Temperature 59.0 - 230 $^{\circ}\text{F}$	
Thermal Conductivity	50.2 W/m-K	348 BTU-in/hr-ft ² - $^{\circ}\text{F}$	
Melting Point	183 $^{\circ}\text{C}$	361 $^{\circ}\text{F}$	

Component Elements Properties	Metric	English	Comments
Antimony, Sb	1.0 %	1.0 %	
Lead, Pb	39 %	39 %	
Tin, Sn	60 %	60 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000148 ohm-cm	0.0000148 ohm-cm	

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