

Indium Corp. Indalloy® 246 95.5Sn/4.0Ag/0.5Cu Lead-Free Solder Alloy

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

Material Notes:

Petzow (German) prior art reference makes this alloy patent-free. Information provided by the manufacturer, Indium Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Indium-Corp-Indalloy-246-955Sn40Ag05Cu-Lead-Free-Solder-Alloy.php

Physical Properties	Metric	English	Comments
Density	7.40 g/cc	0.267 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	51.5 MPa	7470 psi	
Elongation at Break	17.3 %	17.3 %	
Modulus of Elasticity	17.9 GPa	2600 ksi	

Thermal Properties	Metric	English	Comments
Melting Point	217 Â°C	423 Â°F	Eutectic
Solidus	217 Â°C	423 Â°F	Eutectic
Liquidus	217 Â°C	423 Â°F	Eutectic

Component Elements Properties	Metric	English	Comments
Copper, Cu	0.50 %	0.50 %	
Silver, Ag	4.0 %	4.0 %	
Tin, Sn	95.5 %	95.5 %	

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