

Indium Corp. 5N Commercial Indium Metal

Category : Metal , Nonferrous Metal , Indium Alloy , Pure Element

Material Notes:

Indium is a versatile metal with unique physical properties. Indium has one of the widest liquid temperature ranges of any metal. Indium has a low vapor pressure, making it ideal for high vacuum applications. Indium is a soft, pliable and malleable, even down to cryogenic temperatures. Relatively low toxicity. Indium is a bright shiny metal that forms a thin (80 - 100 angstroms) protective oxide layer. It is used as a decorative trim coating metallization on plastics for appliance and automobile trim. Indium effectively reduces the melting point in solder alloys and fusible alloys. Information provided by the manufacturer, Indium Corporation of America.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Indium-Corp-5N-Commercial-Indium-Metal.php

Physical Properties	Metric	English	Comments
Density	7.30 g/cc	0.264 lb/in ³	

Thermal Properties	Metric	English	Comments
Melting Point	157 Â°C	315 Â°F	
Boiling Point	2080 Â°C	3780 Â°F	

Component Elements Properties	Metric	English	Comments
Bismuth, Bi	0.000040 %	0.000040 %	
Cadmium, Cd	0.000010 %	0.000010 %	
Copper, Cu	0.000020 %	0.000020 %	
Indium, In	99.999 %	99.999 %	
Iron, Fe	0.000070 %	0.000070 %	
Lead, Pb	0.00011 %	0.00011 %	
Nickel, Ni	0.000060 %	0.000060 %	
Thallium, Tl	0.000010 %	0.000010 %	
Tin, Sn	0.00016 %	0.00016 %	

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