



**PMX**  
INDUSTRIES, INC.

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# ALLOY C15100

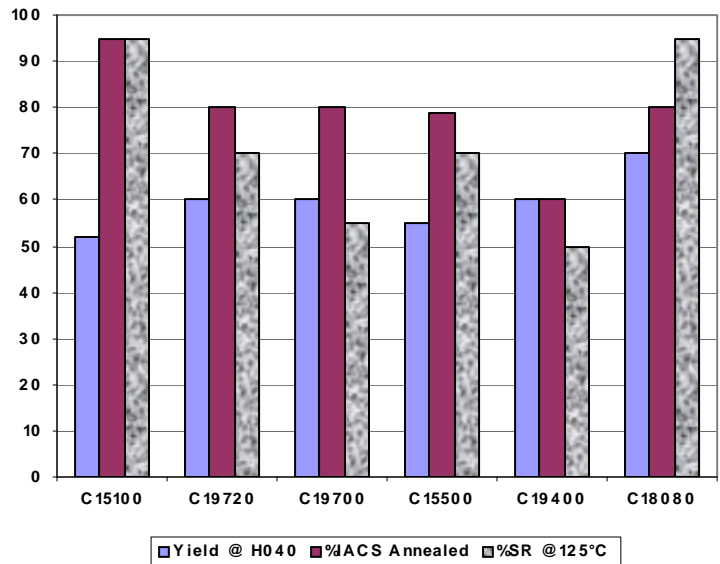
## High Precision Copper Alloy

C15100 is an excellent upgrade to traditional coppers and other medium conductivity alloys. Our research lab and product development team have developed special processing using the “M” temper modification to improve the traditional stress relaxation of the alloys, meeting the needs of our customers to push more current in terminal applications including hybrid and electric vehicles, electronics or to allow mixed power signal applications.

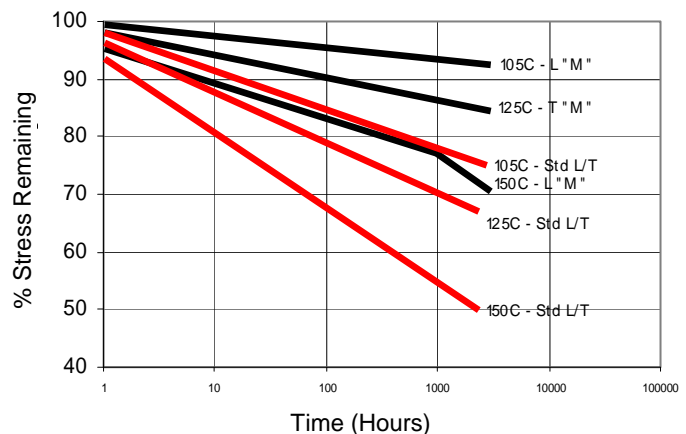
PMX C15100 performs well at service temperatures of 105-150°C. Additionally, to support the continuing demand for high temperature, low cost coatings PMX has engineered C15100 to perfectly match our high temperature, low insertion force tin-silver coatings – improved hot dip tinning performance, coating adhesion and peeling performance is achieved with PMX Tin-Silver C15100.

PMX C15100 with Sn28M will enable your connector designs to use thinner materials, carry more current, operate more reliably and reduce insertion force. This system provides a viable alternative to advance barrier tins, nickel barrier reflow and a lower cost, lower insertion force option to pure silver. Sn28M can be mated with pure tin, pure silver, electroplates and reflow terminals without concern for mismatch. Additionally, Sn28M is compliant with today’s lead-free solder system.

You should also inquire with our sales department about the reduction in total cost achieved with our scrap buyback plan for C15100 – Enhanced performance and controlled total system costs – Available and supported through the PMX Alliance... That’s the PMX Difference. Contact your PMX representative at 1-800-531-5268 or email us at sales@ipmx.com.



### Stress Relaxation Performance of PMX C15100 Std v. Special “M” Tempers



Temper	Tensile Strength (ksi)	Nominal Yield Strength (ksi)	90° GW/BW Bends
H020	43-51	45	0.5/0.5
H040	53-62	55	1/1
H060	59-65	60	1.8/2.1
H080	64 min	-	2.0/3.0

*Details released herein are believed to be accurate at the time of issue and are considered for general information only. Use of this information is to be at the consumer’s discretion.*



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