



5300 Willow Creek Drive  
 Cedar Rapids, IA 52404  
 800-531-5268 sales@ipmx.com

# ALLOY C19015

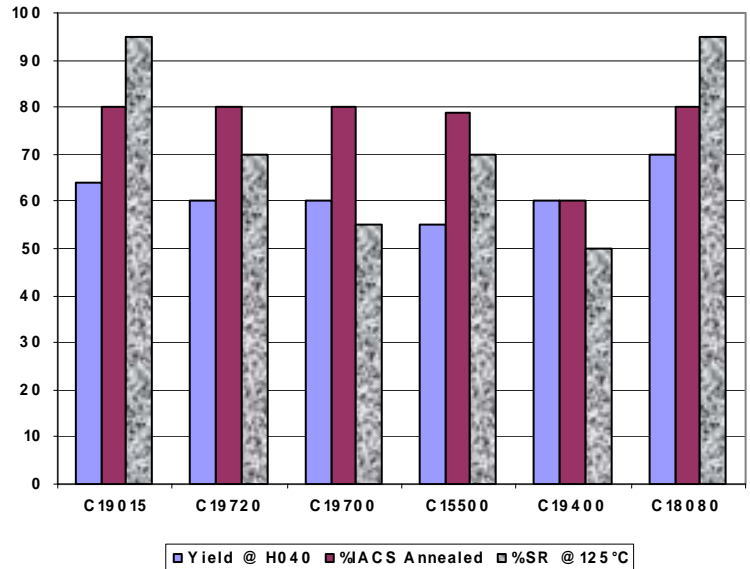
## High Conductivity Copper-Nickel-Silicon

C19015 is an improved high conductivity addition to PMX's wide portfolio of Copper-Nickel Silicon Alloys. Our research lab and product development team improved the electrical conductivity of our traditional C19010M alloy to meet the increasing needs of our customers to push more current in terminal applications including hybrid and electric vehicles, electronics or to allow mixed power signal applications.

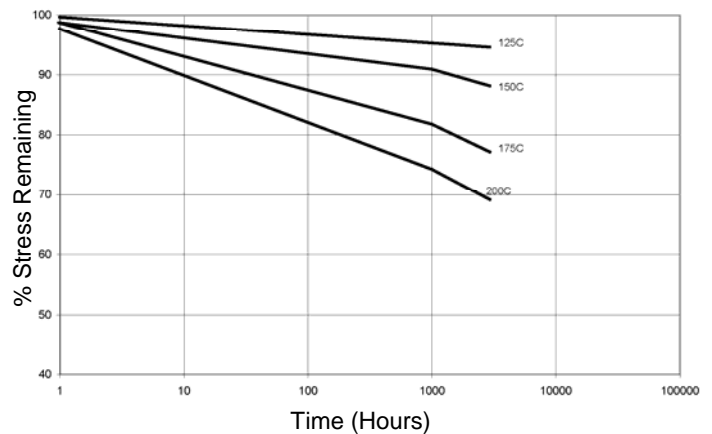
PMX C19015 performs well at service temperatures of 150-200°C. Additionally, to support the continuing demand for high temperature, low cost coatings PMX has engineered C19015 to perfectly match our high temperature, low insertion force tin-silver coatings – improved hot dip tinning performance, coating adhesion and peeling performance is achieved with PMX Tin-Silver C19015.

PMX C19015 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 C19015 – 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 C19015



| Temper | Tensile Strength (ksi) | Nominal Yield Strength (ksi) | 90° GW/BW Bends |
|--------|------------------------|------------------------------|-----------------|
| H020   | 53-63                  | 55                           | 0/0             |
| H040   | 60-70                  | 62                           | 1/1             |
| H060   | 65-75                  | 66                           | 1.5/2.2         |
| H080   | 67 min                 | -                            | 2.5/3           |

*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.*



PMX Industries, Inc.  
5300 Willow Creek Dr S.W.  
Cedar Rapids, IA 52404

Web Site: [www.ipmx.com](http://www.ipmx.com)  
Phone: 1-800-531-5268  
Fax: 319-368-7721  
Email: [sales@ipmx.com](mailto:sales@ipmx.com)