



# ALLOY C70310

## High Strength Copper-Nickel-Silicon

C70310 is an improved high strength addition to PMX's wide portfolio of Copper-Nickel Silicon Alloys. Our research lab and product development team improved the stress relaxation performance of the alloy to be superior to beryllium copper alloys, phosphor bronze and modified phosphor bronze alloys.

PMX C70310 performs well at service temperatures of 150-200°C. Additionally, to support the continuing demand for high temperature, low cost coatings PMX has engineered C70310 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 C70310.

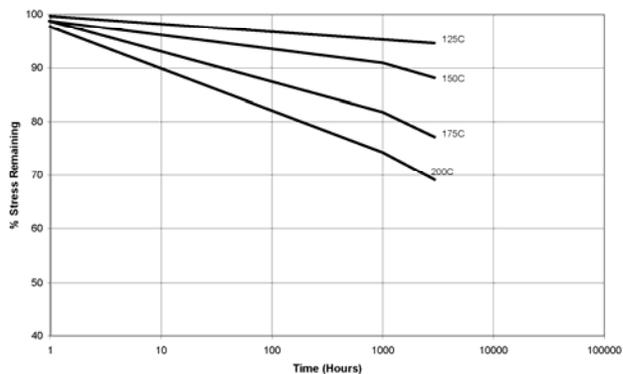
PMX C70310 with Sn28M will enable your connector designs to use thinner materials, carry more current, operate more reliably and reduce insertion force. This system provides a viable alternative to advance barrier tins/reflow and a lower cost, lower insertion force option to pure silver. Sn28M can be 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 C70310– 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 C70310



Temper	Tensile Strength (ksi)	Yield Strength (ksi)	%IACS	90° GW/BW Bends
TM02	88-103	85 min	38	0/0
TM04	93-108	90 min	38	0.5/.05
TM06	98-113	95 min	38	1.5/1
TM08	106-125	105min	38	1.8/1.5

*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)