



ALLOY C70250

High Strength Copper-Nickel-Silicon

Cu incl. Ag: Remainder, Ni 2.2-4.2%, Si 0.25-1.2%, Mg 0.05-0.3%, Other: 0.8%

C70250 is a Copper-Nickel Silicon Alloy released to support legacy programs developed over the past 15 years, which are not sufficient in size to justify testing and qualification of an improved system like PMX 19010M and C70310. Our research lab and product development team easily brought this alloy to market given more than 24 years of corporate experience with the Cu-Ni-Si alloy system.

PMX can produce C7025 to current ASTM B422 and other industry standards. While PMX alloys like C19010M and C70310 have improved formability and coating adhesion compared to C7025, PMX can produce the alloy to current competitive levels of formability.

While we can commit to supporting your ongoing C7025 projects, we encourage you to seriously evaluate our newly developed systems (19010M and C70310) which deliver enhanced performance, especially when combined with PMX high temperature Sn28M. These new technologies will enable your connector designs to use thinner materials,

carry more current, operate more reliably and reduce insertion force. Our improved systems 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 C19010M and 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.

Temper	Tensile Strength (ksi)	Yield Strength (ksi)	%IACS (nom.)	90° GW/BW Bends
TM00	90-110	65min	40	1/0.5
TM02	95-120	85 min	40	1.5/0.5
TM03	100-125	95 min	40	1.5/1.0

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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