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ALLOY C19700

High Conductivity Cu-Fe-Mg

C19700 is a modified copper iron 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 or 19015. Our research lab and product development team easily brought this alloy to market given more than 24 years of corporate experience with the Cu-Fe alloy system, producing alloys like C19400 and XP10.

PMX can produce C19700 to current ASTM B465 and B888 and other industry standards. While PMX alloys like C19010M and C19015 have improved formability, relaxation and coating adhesion compared to C19700, PMX can produce the alloy to current competitive levels of formability.

While we can commit to supporting your ongoing C19700 projects, we encourage you to seriously evaluate our newly developed systems (19010M and C19015) 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 C19700.

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)	%IACS (nom.)	90° GW/BW Bends
H020	53-63	80	0.5/0.5
H040	60-70	80	1/1
H060	67-73	80	1.5/2
H080	70-76	80	2/3

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.



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