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焊 料

SOLDER

◇ Properties of the products (性能):

- 低熔点
Low melting point
- 填满间隙能力强
Good ability to fill the gap
- 优良的导电性和耐蚀性
Good electric conductivity and corrosion resistance
- 良好的润湿性
Characteristic of well wettability
- 强度高、塑性好
Good intensity and toughness

合金代号 Solder alloy No.	固相线 Solidus line	液相线 Liquidus	特性 Characteristic
Au	1064.43	1064.43	能润湿钨，用于低温扩散封接 Wetting of tungsten, used in low temperature diffusion bonding
AuNiCu3-15.5	1000	1030	流动性好，对可伐铜、镍和钢有极好的浸润性 good Fluidity. Excellent wettability of copper, nickel and steel
AuCuIn77-3	975	1025	性质与 AuCu65 类似，并可替代使用 Nature is similar to AuCu65
AuCu65	990	1010	可钎焊铜、镍、可伐合金 Brazing of copper, nickel, Kovar alloy
AuCu62	985	1005	可钎焊铜、镍、可伐合金 Brazing of copper, nickel, Kovar alloy
AuCu60	980	1000	可钎焊铜、镍、可伐合金 Brazing of copper, nickel, Kovar alloy
AuCu50	955	970	可钎焊铜、镍、可伐合金 Brazing of copper, nickel, Kovar alloy
AuNi18	950	950	对钨、钼、铜、可伐镍、不锈钢都有良好的浸润性，并具有良好的流动性，蒸气压低，高温强度高 Has good wettability of tungsten, molybdenum, copper, nickel, stainless steel. Good fluidity, vapor pressure, high temperature strength
AuCu20	908	910	有熔融状态缓慢冷却会变脆，故一般多用 9 号合金 Slow cooling molten state be brittle, generally with a 9th-alloy
AuAgCu5-20	885	895	用作部件的二级钎焊，一般钎焊用熔点较高的 2 号或 3 号合金 As a second-level soldering parts, generally higher melting point of brazing alloys of 2nd or 3rd
AuAgCu20-20	835	845	具有很窄的熔化温度范围，用作中间一级钎焊 Melting temperature with a very narrow scope for meso-level soldering

合金代号 Solder alloy No.	化学成分 (%) Chemistry (%)						熔化温度℃ Melting Temperature °C	用途 Used
	Ag	Cu	Cd	Ni	Mn	Zn		
AgCu53-37	10±0.3	53±1	—	—	—	余量	810~850	钎焊铜及其他有色金属、铜制成的零件，也可钎焊高钛硬质合金片 Brazing of parts made from copper and other nonferrous metals, copper or high brazing of titanium carbide
AgCu40-35	25±0.3	40±1	—	—	—	余量	745~775	钎接焊缝要求光洁和在冲击及振动时具有高强度的铜、铜合金、钢制零件 Braze welding requires smooth and in shock and vibration strength of copper, copper alloys, steel parts
AgCu30-25	45±0.5	30±1	—	—	—	余量	660~725	钎接焊缝要求光洁和在冲击及振动时具有较高强度的铜、黄铜、钢制零件及电工零件 Braze welding requires smooth and in shock and vibration strength of copper, copper alloys, steel parts
AgCu34-16	50±0.5	34±1	—	—	—	余量	690~775	钎接能承受多次振动载荷的工件，如带锯等 Brazing is able to withstand repeated vibratory loads of artifacts, such as band saws
AgCu20-15	65±0.5	20±0.5	—	—	—	余量	685~720	常用于钎焊锯条、小零件和食品用具等 Commonly used for brazed saw blade, small parts and food appliances
AgCu26-4	70±0.5	26±1	—	—	—	余量	720~755	适用于铜、黄铜和银的钎焊，常用于钎焊导线和导电性较高的元件 Applies to copper, brass and silver brazing, commonly used in brazing wires and high conductive components
AgCu28	72±0.5	28±1	—	—	—	余量	779	用于电子管及其他真空器械的钎焊 Used for braze welding of tubes and other vacuum devices
AgCu27-18-8-3-2	44±1	27±1	8±1	2±0.5	3±0.5	16.6~18.8	650~800	适用于钎焊铜、黄铜及不锈钢等工件 Apply brazing for copper, brass and stainless steel workpiece
AgCd26-17-17	40±1	16.7 ^{+0.7} -0.3	25~26.5	0.3±0.2	—	17+0.8-0.4	595~605	用于钎焊淬火钢，可使零件保持原有的性能，用来钎焊小的薄件，可控制变形 Brazing of hardened steel, can make parts maintain original performance, used for soldering small thin pieces, control deformation
AgCd18-16-16	50±1	16±0.5	18±1	—	—	16±1	625~635	用途类似上一种焊料，但其强度较高 Uses a solder on a similar, but its high strength

✧ Products show (展示):

