

Phosphor Copper Brazing Alloys (JIS.Z.3264)

Brazing Alloy	JIS Standard	Chemical Composition(%)				Melting Temp. (Degree)		Brazing Temp.	Density	Characteristics and Uses
		Ag	Cu	Sn	P	Solidus	Liquidus			
BC-200	BCuP-2		93		7	705	795	735~845	8.0	high fluidity,highly permeable to narrow clearance,for copper brazing,copper alloy brazing,for air conditioner,heat exchanger
BC-202	BCuP-6	2	91		7	645	790	730~815	8.1	excellent mechanical property,for large clearance,for copper brazing,copper alloy brazing,for air conditioner,heat exchanger
BC-205	BCuP-3	5	89		6	640	815	720~815	8.1	low brazing temp.,high fluidity,for large clearance,for heat exchanger,electric parts,plumbing etc.
BC-215	BCuP-5	15	80		5	640	800	705~815	8.5	wide range of solidification and good for large clearance,wide range of use for air conditioner,refrigerating equipment,plumbing, valve, junction etc.
BC-201			86	7.5	7	650	705	680~780	8.0	Low brazing temp.,high fluidity,good fitting to copper and copper alloys,wide range of use for gas water boiler,bath heater,air conditioner etc.
BC-206		4	85	4	7	640	670	660~740	8.2	good fitting to copper and copper alloys,wide range of use as substitute for silver brazing alloys,for phosphor copper flange,brazing of pipes,air conditioner
BC-220		20	74		6	645	710	705~815	8.7	high fluidity,excellent mechanical property,for low temperature brazing,good for phosphor copper parts,brazing of coupling
BC-210		10	84		6.5	645	750	680~810	8.3	economical as substitute of BC-220,good flatting,wide range of use for brazing of phosphor copper parts