

Copper phosphorous brazing alloy table

Filler Metal Name	Number of AWS	Nominal Composition (wt%)			Solidus (°C)	Liquidus (°C)	Examples of Main Uses
		Ag	Cu	Zn			
SIL-FOS 20		19.0~21.0	Bal.	5.8~6.3	645	710	Brass parts such as parts of distributor
SIL-FOS	BCuP-5	14.5~15.5	Bal.	4.8~5.3	645	800	Crimped terminals, brass parts, motor side connection terminal, heavy electric machinery
SIL-FOS 10		9.5~10.5	Bal.	6.4~6.9	645	750	Brass parts, air conditioner piping as replacement for SIL-FOS20 of SIL-FOS
F-6	BCuP-4	5.8~6.2	Bal.	6.8~7.7	645	720	General use for air conditioner piping
SIL-FOS 5	BCuP-3	4.8~5.2	Bal.	5.8~6.7	645	815	General use for air conditioner piping
SIL-FOS 2	BCuP-6	1.8~2.2	Bal.	6.8~7.2	645	790	General use for air conditioner piping as replacement for BCuP-3
F-2		1.8~2.3	Bal.	6.0~6.7	645	810	General use for air conditioner piping as replacement for BCuP-3
SIL-FOS 1		0.8~1.2	Bal.	6.5~7.1	645	820	General use for air conditioner piping as replacement for BCuP-6
DIA-20P	BCuP-2	0	Bal.	6.8~7.5	710	795	Heat exchanger of air conditioner and hot water heater