



COPPER-PHOSPHORUS-SILVER ALLOYS

- Good fluidity
- Low melting temperature
- Excellent wetting properties and capillarity
- Wide range
- Easy to use

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BRAZING

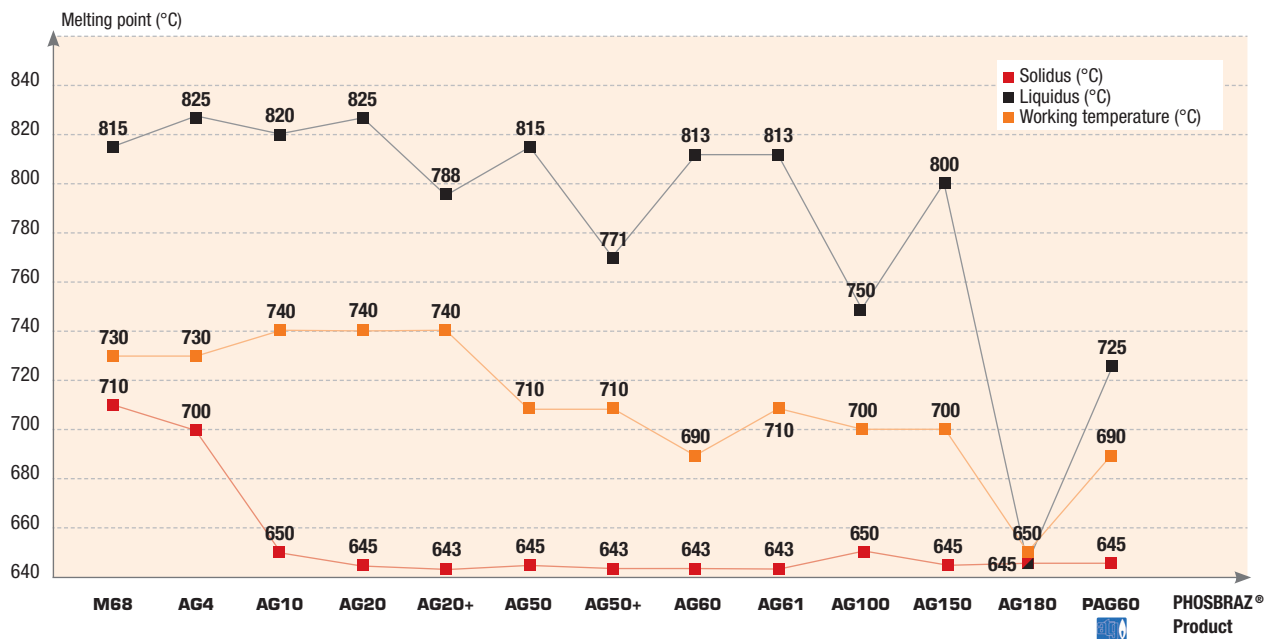


SELECTION CRITERIA - FLUIDITY OF THE CuP-Ag ALLOY RANGE



Reference		Fluidity		Characteristics
PHOSBRAZ AG180 PAG 60	PHOSBRAZ AG60 PHOSBRAZ AG61	HIGH FLUIDITY	●●●●	These alloys melt at low temperature. Joints with very small clearances.
PHOSBRAZ M68 PHOSBRAZ AG20+	PHOSBRAZ AG50+ PHOSBRAZ AG100	GOOD FLUIDITY	●●●	These grades are used for brazing of couplings and connectors in systems operating at low temperature (such as air conditioning).
PHOSBRAZ M68 PHOSBRAZ AG4 PHOSBRAZ AG10	PHOSBRAZ AG20 PHOSBRAZ AG50 PHOSBRAZ AG150	INTERMEDIATE FLUIDITY	●●	Standard clearances. AG150 is suitable for use for connections requiring good electrical conductivity.

SELECTION CRITERIA: MELTING POINT / WORKING TEMPERATURE



Type	Technical characteristics			Chemical composition					
	■ Solidus (°C)	□ Liquidus (°C)	■ Working temperature (°C)	Rm (MPa)	A (%)	P (%)	Ag (%)	Ni (%)	Cu (%)
PHOSBRAZ M68	710	815	730	500	5	6.8	0.2	-	Balance
PHOSBRAZ AG4	700	825	730	500	6	6.5	0.4	-	Balance
PHOSBRAZ AG10	650	820	740	550	6	6.7	1	-	Balance
PHOSBRAZ AG20	645	825	740	550	6	6.4	2	-	Balance
PHOSBRAZ AG20+	643	788	740	550	6	7	2	-	Balance
PHOSBRAZ AG50	645	815	710	650	8	6	5	-	Balance
PHOSBRAZ AG50+	643	771	710	600	7	6.6	5	-	Balance
PHOSBRAZ AG60	643	813	690	450	4	7.3	6	0.1	Balance
PHOSBRAZ AG61	643	813	710	450	4	7.3	6	-	Balance
PHOSBRAZ AG100	650	750	700	650	8	6.2	10	-	Balance
PHOSBRAZ AG150	645	800	700	530	10	5	15	-	Balance
PHOSBRAZ AG180	645	645	650	480	10	7	18	-	Balance
PHOSBRAZ PAG 60	645	725	690	450	4	7.3	6	0.1	Balance



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