	Material compositions	Density	Thermal expansion coefficient	Heat conductivity	Hardness (low hardening)	Hardness (high hardening)
		(g/cm^3)	$(10^{-6}/K)$	(W/mK)	(HB)	(HB)
Cu - based	Cu	8.9	16.5	360	40…50	-
	CuPb10Sn10	9.0	18.7	60	60…70	90…120
	CuSn6	8.8	18.5	80	65…100	140…210
	CuSn10	8.75	18.3	65	80…120	-
	CuSn10Bi8	8.8	17.3	60	60…90	90…150
	CuSn5Zn	8.8	17.1	90	65…100	100…160
	CuZn20Al2Mn2Ni2Fe	8.4	18.7	80	90…120	120…180
	CuZn31Si	8.4	19.2	80	80…110	100…160
	CuAl8	7.7	17.0	65	80…110	110…150
	CuNiSi	8.8	16.0	130	60…90	90…150
Al - based	AlSn12Si2	3.4	23.6	205	35…50	60…80
	AlSn15Cu2	3.5	24.0	210	35…50	50…70
	AlSn20Cu	3.7	24.0	200	30…50	40…60
	AlSn40	4.5	25.0	165	25…35	35…50
	AlZn5Bi4	3.2	23.3	215	40…60	60…100
	AlZn5Si	2.9	23.4	225	45…70	70…110