

Base Metal Information

Material Designation				Composition (nominal)	Physical Properties (nominal)					
					Conductivity			Coefficient of thermal expansion	Elastic Modulus	Density
					Electrical		Thermal			
Din Designation	UNS	BS	NF	Weight %	m/wm m2	% IACS	W/m.K	10-6/K	kN/mm2	g/cm3
CuSn4	C51100	PB101	CuSn4P	Cu 96 Sn 4	12	20	118	18	120	8.85
---	C51000	PB102	CuSn5P	Cu 95 Sn 5	10	17	96	18	120	8.85
CuSn6	C51900	PB103	CuSn6P	Cu 94Sn 6	9	15	75	18.5	118	8.8
CuSn8	C52100	---	CuSn9P	Cu92 Sn 8	7.5	13	67	18.5	115	8.8
CuNi1 2Zn24	C75700	NS104	CuNi1 2Zn24	Cu 64 Ni 12 Zn 24	4.4	7	42	18.0	125	8.67
CuNi1 8Zn27	C77000	NS107	CuNi1 8Zn27	Cu 55 Ni 18 Zn 27	3.3	5	32	17.7	135	8.70
CuNi1 8Zn20	C76400	NS106	CuNi1 8Zn20	Cu 61 Ni 18 Zn 21	3.3	5	33	17.7	135	8.73
CuZn15	C23000	CZ102	CuZn15	Cu 85 Zn15	21.1	36	159	18.5	122	8.75
CuZn30	C26000	CZ106	CuZn30	Cu 70 Zn 30	16.3	28	126	19.7	114	8.55
CuZn37	C27200	CZ108	CuZn36	Cu 63 Zn 37	15.5	26	121	20.2	110	8.44