

## Sağlam Metal Kalay Bronzları

ÜRÜN ADI	DIN Normu Alaşımın Adı	DIN Normu Nr.	0,2-Akma Mukavemeti N/mm <sup>2</sup> min	Çekme Mukavemeti N/mm <sup>2</sup> min	Uzama % min	Sertlik HB10 min	Yoğunluk kg/dm <sup>3</sup>	Cu	Sn	Zn	Pb	Ni
CUPTIN 1	CuSn5ZnPb – Rg5	2.1096	90	220	16	60	8.7	min 84.0 max 86.0	4.0 6.0	4.0 6.0	4.0 6.0	- 2.5
CUPTIN 2	CuSn7ZnPb – Rg7	2.1090	130	270	13	75	8.8	min 81.0 max 85.0	6.0 8.0	3.0 5.0	5.0 7.0	- 2.0
CUPTIN 3	CuSn10	2.1050	130	270	18	70	8.7	min 88.0 max 90.0	9.0 11.0	- 0.5	- 1.0	- 2.0
CUPTIN 3-Zn	CuSn10Zn – Rg10	2.1086	130	260	15	75	8.7	min 86.0 max 89.0	9.0 11.0	1.0 3.0	- 1.5	- 2.0
CUPTIN 3	CuSn12	2.1052	150	280	5	95	8.6	min 84.0 max 88.5	11.0 13.0	- 1.0	- 1.0	- 2.0
CUPTIN 3-Ni	CuSn12Ni	2.1060	180	300	8	100	8.6	min 84.0 max 87.0	11.0 13.0	- 0.4	- 0.3	1.5 2.5
CUPTIN 3-Pb	CuSn12Pb	2.1061	140	280	7	85	8.7	min 84.0 max 87.0	11.0 13.0	- 1.0	1.0 2.0	- 2.0
CUPTIN 4	CuSn14		190	310	4	110	8.6	min 82.0 max 86.5	13.0 15.0	- 1.0	- 1.0	- 2.0
CUPTIN 5	CuPb5Sn	2.1170	130	240	15	70	8.7	min 84.0 max 87.0	9.0 11.0	- 2.0	4.0 6.0	- 1.5
CUPTIN 6	CuPb10Sn	2.1176	110	220	8	70	9.0	min 78.0 max 82.0	9.0 11.0	- 2.0	8.0 11.0	- 1.5
CUPTIN 7	CuPb15Sn	2.1182	110	220	7	65	9.1	min 75.0 max 79.0	7.0 9.0	- 2.0	13.0 17.0	- 1.5
CUPTIN 8	CuPb20Sn	2.1188	90	180	8	60	9.3	min 69.0 max 76.0	4.0 6.0	- 3.0	18.0 23.0	- 1.5