

STANDARD	BS 2871 PART3	ASTM B 111	DIN 1785	NFA 51 102	JIS H3300	IS 1545
SYMBOL	CZ111	C 44300	CuZn28Sn1	CuZn29Sn1	C 4430	CuZn29Sn1As
Cu	70.0 - 73.0	70.0 - 73.0	70.3 - 72.5	70.0 - 73.0	70.0 - 73.0	70.0 - 73.0
Sn	1.0 - 1.5	0.9 - 1.2	0.9 - 1.3	0.9 - 1.2	0.9 - 1.2	1.0 - 1.5
Pb	0.07	0.07	0.07	0.07	0.07	0.07
Ni	-	-	0.1	-	-	-
Fe	0.06	0.06	0.07	0.06	0.06	0.06
Zn	REM'DER	REM'DER	REM'DER	REM'DER	REM'DER	REM'DER
As	0.02 - 0.06	0.02 - 0.06	0.02 - 0.035	0.02 - 0.06	0.02 - 0.06	0.02 - 0.06
P	-	-	0.01	-	-	-
TOTAL IMPURITIES MAX	-	-	-	-	-	-
	0.3	-	0.1	0.3	-	0.3
	-	-	-	-	-	-
CONDITION	M	061	F36	-	-	O
	TA	-	F32	-	O	TA
	O	-	-	-	-	D
YIELD STRENGTH N / MM <sup>2</sup>	-	-	140 - 220	-	-	-
	-	105	100 - 170	-	-	-
	-	-	-	-	-	-
TENSILE N / MM <sup>2</sup> Minimum	-	310	360	-	-	375 Mpa Max.
	-	-	320	-	314Min.	340 Mpa Max.
	-	-	-	-	-	385 Mpa Min.
ELNG'TION Percent (%) Minimum	-	-	45Min.	-	-	-
	-	-	55Min.	-	30Min.	-
	-	-	-	-	-	-
HARDNESS	150Min.	-	-	-	-	80 Max.
HV 5	80 - 105	-	-	80 - 120	-	80 - 105
	75Max.	-	-	-	-	130 Min.
GRAIN SIZE mm(75X)	0.05Max.	0.010 - 0.045	-	0.010 - 0.045	0.010 - 0.045	0.010 - 0.045
	-	-	-	-	-	-