



BRONMETAL

Copper Cu

Product format:

Sheet electrical purposes

Technical Characteristics:

Rolled sheets of copper for electrical applications

ALLOYS

Designation of material		Composition in % (mass fraction)								
Symbolic	Numerical	Element	Cu	Ag	Bi	O	P	Pb	Other elements (see note)	
									Total	Excluded
Cu-ETP	CW004A	mín.	99.90 ^a	-	-	-	-	-	-	Ag, O
		máx.	-	-	0,0005	0.040 ^b	-	0,005	0,03	
Cu-FRHC	CW005A	mín.	99.90 ^a	-	-	-	-	-	-	Ag, O
		máx.	-	-	-	0.040 ^b	-	-	0,04	
Cu-OF	CW008A	mín.	99.95 ^a	-	-	-	-	-	-	Ag
		máx.	-	-	0,0005	- ^c	-	0,005	0,03	
CuAg0,10	CW013A	mín.	Resto	0,08	-	-	-	-	-	Ag, O
		máx.	-	0,12	0,0005	0.040 ^b	-	-	0,03	
CuAg0,10P	CW016A	mín.	Resto	0,08	-	-	0,001	-	-	Ag, P
		máx.	-	0,12	0,0005	- ^c	0,007	-	0,03	
CuAg0,10(OF)	CW019A	mín.	Resto	0,08	-	-	-	-	-	Ag, O
		máx.	-	0,12	0,0005	- ^c	-	-	0,0065	
Cu-PHC	CW020A	mín.	99.95 ^a	-	-	-	0,001	-	-	Ag, P
		máx.	-	-	0,0005	- ^c	0,006	0,005	-0,03	
Cu-HCP	CW021A	mín.	99.95 ^a	-	-	-	0,002	-	-	Ag, P
		máx.	-	-	0,0005	- ^c	0,007	0,005	0,03	

NOTE - Total other items (other than copper) is defined as the sum of Ag, As, Bi, Cd, Co, Cr, Fe, Mn, Ni, O, P, Pb, S, Sb, Se, Si, Sn, Te y Zn, with The exclusion of any ítem whose value this indicated individually.

^a To including silver, to a maximum of 0.015%.

^b The Is permissible oxygen content up to 0.060%, subject to agreement between customer and supplier..

^c The oxygen content should be such that the material meets the requirements of embrittlement by heating in hydrogen atmosphere of the standard in 1976.