



BRONMETAL

Copper Cu

Product format:

Exchanger tubes

Technical characteristics:

Round copper tubes in lengths and coils for the manufacture of heat exchangers



MECHANICAL CHARACTERISTICS

Designations		Tensile strength	Proof stress of 0.2% enlogation	Enlogation	Expansion	Hardness		
Material		Metallurgical state	R _m	R _{p0.2}	A	HV		
Symbolic	Numerical		N/mm ² mín.	N/mm ² mín.	% mín.	% mín.	mín.	máx.
Cu-DHP	CW024A	R250	250	150	20	20	-	-
		H075	-	-	-	20	75	100
		R290	290	250	5	-	-	-
		H100	-	-	-	-	100	-
CuAl5As	CW300G	R350 ¹	350	110	50	30	-	-
		H075 ¹	-	-	-	30	75	110
CuNi10Fe1Mn	CW352H	R290 ¹	290	90	30	30	-	-
		H075 ¹	-	-	-	30	75	105
		R310	310	220	12	20	-	-
		H105	-	-	-	20	105	150
		R480	480	400	8	8	-	-
		H150	-	-	-	8	150	-
Cuni30Fe2Mn2	CW353H	R420 ¹	420	150	30	30	-	-
		H090 ¹	-	-	-	30	90	125
Cuni30mn1Fe	CW354H	R370 ¹	370	120	35	30	-	-
		H090 ¹	-	-	-	30	90	120
		R480	480	300	12	20	-	-
		H120	-	-	-	20	120	-

Designations		Tensile strength	Proof stress of 0.2% elongation	Elongation	Expansion	Hardness		
Material		Metallurgical state	R _m	R _{p0.2}	A	HV		
Symbolic	Numerical		N/mm ² mín.	N/mm ² mín.	% mín.	% mín.	mín.	máx.
CuZn28Sn1As	CW706R	R320 ¹	320	100	55	30	-	-
		H060 ¹	-	-	-	30	60	90
		R360 ¹	360	140	45	30	-	-
		H080 ¹	-	-	-	30	80	110
		R340 ¹	340	130	45	30	-	-
		H075 ¹	-	-	-	30	75	105
CuZn30As	CW707R	R340 ¹	340	130	45	30	-	-
		H075 ¹	-	-	-	30	75	105

¹ In the annealed condition.
NOTE 1 - 1 N/mm² equal to 1 Mpa.

