



Metline Industries

Manufacturer of Pipes | Fittings | Flanges

Pipes/Tubes - Butt weld Pipe Fittings – Bends – Forged Fittings – Forged Flanges - Fasteners

An ISO 9001:2008 Certified Company, Metline Industries is a leading manufacturer, exporter and supplier of a high quality aluminium brass tubes and pipes. A Copper Zinc Alloy in the ratio of 76/24 having 1.8-2.3% of Aluminum for high resistance and some % of Arsenic to help against dezincification. Aluminum Brass is commonly used for condensers tube and is widely recommended for use in marine and land power stations where cooling water velocities are high.

Aluminium Brass Tubes/Brass Pipes

STANDARD	BS 2871	ASTM B	DIN	NFA 51	JIS	IS
	PART3	111	1785	102	H3300	1545
SYMBOL	CZ 110	C 68700	CuZn20A12	CuZn22A12	C 6870	CuZn21A12As
Cu	76.0 - 78.0	76.0 - 79.0	76.0 - 79.0	76.0 - 79.0	76.0 - 79.0	76.0 - 78.0
Al	1.8 - 2.3	1.8 - 2.5	1.8 - 2.3	1.8 - 2.5	1.8 - 2.5	1.8 - 2.3
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.	REM.	REM.	REM.	REM.	REM.
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	61	F39	-	O	O
	TA	-	F34	-	-	TA
	O	-	-	-	-	D
YIELD STRENGTH N / MM ²	-	125	150 - 230	-	-	400Mpa Max.
	-	105	120 - 180	-	-	355Mpa Min.
	-	-	-	-	-	415Map
TENSILE N / MM ² Minimum	-	345	390	-	373	-
	-	-	340	-	-	-
	-	-	-	-	-	-
ELNG'TION Percent (%)	-	-	45Min.	-	40Min.	85Max.
	-	-	55Min.	-	-	80 - 110
	-	-	-	-	-	130Min.
HARDNESS HV 5	150Min.	-	-	80 - 130	-	-
	80 - 110	-	-	-	-	-
	75Max.	-	-	-	-	-
GRAIN SIZE mm(75X)	0.05Max.	0.010 - 0.045	-	0.010 - 0.045	0.010 - 0.045	0.010 - 0.045
	-	-	-	-	-	-

Exports: Brazil, South Africa, Nigeria, UAE, Bahrain, Italy, Indonesia, Malaysia, United States, Mexico, China, Brazil, Peru, Nigeria, Kuwait, Jordan, Dubai, Thailand (Bangkok), Venezuela, Iran, Germany, UK, Canada, Russia, Turkey, Australia, New Zealand, Sri Lanka, Vietnam, South Africa, Kazakhstan and Saudi Arabia, Oman

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