

COPPER NICKEL IRON MANGANESE, ALLOY C71640

Standard Grade	EN12451 CuNi30Fe2Mn2 CW353H	ASME SB111 C71640	ASTM B111 C71640	DIN 1785 CuN30Fe2Mn2 2.0883	BS2871 Part 3 CN108
Cu	Rem.	Rem.	Rem.	Rem.	Rem.
Pb	0.02 max.	0.05	0.05 max.	0.02 max.	
Ni	29-32.0	29.0-32.0	29.0-32.0	29-32.0	29.0-32.0
Fe	1.5-2.5	1.7-2.3	1.7-2.3	1.5-2.5	1.7-2.3
Mn	1.5-2.5	1.5-2.5	1.5-2.5	1.5-2.5	1.5-2.5
Zn	0.5 max.	1.0 max.	1.0 max.	0.5 max.	
S	0.05 max.			0.06max.	
C	0.05 max.			0.05 max.	
P	0.02 max.				
Co	0.1 max.				
Sn	0.05 max.				
Total Impurities	0.2 max.			0.3max.	0.03 max
Condition	R420	O61	O61	F42	M O

Also available in welding grade

Typical use:

Has the most resistance against impingement attack and corrosion by suspended solids of all copper based alloys which are used for heat exchanger tube applications. This alloy is preferred for desalination plants.


Melting point 1240°C

Hot Working Properties: Good

Cold Working Properties: Good

Dimensions

Dimensions of our normal product range: We are always trying to improve our range so please contact us if you are looking for other dimensions:

Ø 5.0 - 6.0 mm	wall 0.45 - 1.0 mm	
Ø 6.0 - 10 mm	wall 0.5 - 1.7 mm	
Ø 10.0 - 14.0 mm	wall 0.5 - 3.3 mm	
Ø 14.0 - 19.05 mm	wall 0.7 - 3.3 mm	
Ø 19.1 - 26.0 mm	wall 0.8 - 3.3 mm	
Ø 26.0 - 33.0 mm	wall 1.0 - 3.3 mm	