

CuNi18Zn20 CW409J / C76400



Chemical Composition (%)		Coil Specifications	
Cu	60,0 - 63,0	Thickness (mm)	0,10 - 6,00
Ni	17,0 - 19,0	Width (mm)	6,00 - 350
Zn	Remainder	Inside diameter (mm)	100 - 300 - 400 - 500
Mn	≤ 0,50	Outside diameter (mm)	500 - 1200
Fe	≤ 0,30	Weight (kg)	≤ 2500
Sn	≤ 0,03		
Pb	≤ 0,03		

Mechanical Properties						
Temper		R380 H085	R450 H115	R500 H160	R580 H180	R640 H200
Tensile Strength (N/mm ²)		380 - 450	450 - 520	500 - 590	580 - 670	640 - 730
Yield Strength (N/mm ²)		≤ 250	≥ 250	≥ 410	≥ 510	≥ 600
Elongation (%)	up to 2,5 mm	≥ 27	≥ 9	≥ 3	---	---
	over 2,5 mm	≥ 37	≥ 18	---	---	---
Sertlik (HV)		85 - 115	115 - 160	160 - 190	180 - 210	200 - 230

Physical Properties				
Density (g/cm ³)	Electrical Conductivity		Thermal Conductivity (W/mK)	Modulus of Elasticity (kN/m ²)
	MS/m	%IACS		
8,73	3,3	5,7	33	135

This data sheet is a general technical product information and has no legal warranty. Binding technical features are subjected to the contract.

