CUPRO MAX

Chemical Composition (%)	Cr Zr Oth 0.5-1.2 0.03-0.3 max	ers 0.2	Cu			
Code	DIN: 2.1293, EN: CW106C, UNS No: C18150					
Material Properties	It is one of the most electrically conductive copper alloys. Since it is alloyed with alloyed chromium and zirconium, its hardness is higher than that of pure copper. It can be shaped by wire erosion.					
Application Area	Resistance welding tips and discs of mild steels and galvanized steel sheets for high production rates, steel or aluminum continuous casting molds, Ingot moulds for gravity die casting of brass and copper, electrodes of spark erosion machines (E.D.M.), electrical equipment components, studs and contacts, sealing tools, ingot, moulds or cooling inserts, shaping and cooling tools for plastic extrusion, Top crusts for centrifugal casting moulds for grey cast iron, welding tools in plastic packaging.					
Heat Treatment	Delivered in heat treated	conditi	on.			
Mechanical Properties	Hardness	НВ	В		-170	
	Tensile strength	N/mm ²		400-500		
		N/mm ²				
	Yield strength	N/mr	n²	320	-410	
	Yield strength Elongation L=5D	N/mr %	n²			
			n²	1	-410	
Physical Properties	Elongation L=5D Modulus of elasticity	%		1	-410 8	
Physical Properties	Elongation L=5D Modulus of elasticity (20 °C)	%	M	1:	-410 8 22	
——————————————————————————————————————	Elongation L=5D Modulus of elasticity (20 °C) Electrical conductivity Coefficient of thermal	% GPa	M:	1: 1: S/m	-410 8 222 45	