

CuNi9Sn2

CATEGORY GMAW-GTAW Solid wires

TYPE Copper-Nickel-Tin alloy with excellent resistance against seawater.

APPLICATIONS Circuit breaker components, Springs for relays and switches, Bellows, Bridles

PROPERTIES This alloy offers good combination of fatigue resistance, formability and corrosion resistance.

CLASSIFICATION AWS UNS: C72500

APPROVALS CE approved

WELDING POSITIONS:



WIRE ANALYSIS %

Cu	Ni	Fe	Mn	Sn	Pb	Zn	others total
Rem	8,2-10,5	<0.28	<0.28	1,8-2,8	<0.03	<0.10	<0.10

MECHANICAL PROPERTIES

Heat Treatment	Rp0,2 (MPa)	Rm (MPa)	A (%)	Impact Energy (J) ISO-V			Hardness HRC / HV
				-20°C	-40°C	-60°C	
Soft		340-400	>40				
half hard		400-550	>4				
hard		550-650	-				

REDRYING TEMPERATURE not required