



A₅ 'CUNI30

Classification

ISO 24373 : S Cu 7158 (CuNi30Mn1FeTi) Material N° : 2.0837
 AWS A5.7 : ERcNi

Description & Applications

Solid wire for GMAW used to weld different copper-nickel types as Cu/Ni70.30, 80.20 and 90.10.

Main applications: For offshore applications, seawater desalination plants, for ship building, in the chemical industry.

Base materials:

UNS	Alloy	DIN	Material N°
C70600	CuNi90/10	CuNi10Fe1Mn	2.0872
	CuNi80/20	CuNi20Fe	2.0878
C71500	CuNi70/30	CuNi30Mn1Fe	2.0882

Typical Chemical Composition (%)

Mn	Fe	Ni	Ti	Si	P	Pb	Cu
0.7	0.6	30.0	0.4	<0.2	<0.02	<0.02	Rem.

All Weld Metal Mechanical Properties

R _{p0.2} (MPa)	R _m (MPa)	A ₅ (%)
240	400	32

Welding Current & Instructions

Welding mode	Wire Ø (mm)	Welding parameters		Shielding Gas
		Pulsed arc (A)	(V)	
MIG = +				Ar Ar + He

Ind.10



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