



# TIG CUNI10

Old reference: TIG CuNi90.10

## Classification

ISO 24373 : S Cu 7061 (CuNi10)

## Description & Applications

Solid rod for GTAW of Copper-Nickel types CuNi90/10.

**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

## Typical Chemical Composition ( % )

	Fe	Mn	Ni+Co	P	Pb	Si	C	Ti	S	O/T	Cu
Min	0.5	0.5	9.0					0.1			
Max	2.0	1.5	11.0	0.02	0.02	0.2	0.05	0.5	0.02	0.4	Rem.
Type	1.4	0.8	10.5	0.004	0.01	0.02	0.01	0.4	0.004	<0.4	Rem.

## All Weld Metal Mechanical Properties

	R <sub>p0.2</sub> ( MPa )	R <sub>m</sub> ( MPa )	A <sub>5</sub> ( % )
Min	-	-	-
Max			
Type	200	320	15

## Welding Current & Instructions

Welding mode	Shielding Gas
GTAW = -	ISO 14175: I1 (100% Ar) / I2 (100% He) / I3 (Ar+ 5-30%He) 5-10 L/min

Preheating of massive parts between 200°C (>6mm) up to 500°C (>15mm).

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**Fumes:** Consult information on MSDS, available upon request.

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