



# 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	150	320	26

## 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).

FT En-TU12-251211

**Liability:** This document is intended to assist the user in choosing the product. It is up to the user to verify that the chosen product is suitable for applications for which it is intended. The company Selectarc Group reserves the right to alter specifications without prior notice of its products. The descriptions, illustrations and specifications are for reference only and cannot be held liable for Selectarc Group.

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

[www.fsh-welding.com](http://www.fsh-welding.com) - [info@fsh-welding.fr](mailto:info@fsh-welding.fr)