

TIG Rods Nickel and Copper alloys

Nirod NiCu7 is a nichel alloy TIG rod suitable for welding alloys with similar chemical analyses. Good bead appearance and excellent corrosion resistance in saline solutions. Suitable for the fabrication of desalination plant using MONEL type alloy.

Classification	
AWS	A5.14: ER NiCu 7
EN ISO	S Ni 4060

Approvals	Grades

Analysis of all-weld metal (Typical values in %)

C	Mn	Si	P	S	Cr	Ni	Mo	Nb	Fe	W	Cu
0.10	3	1	≤ 0.020	≤ 0.015	-	Rem	-	-	1	-	30

All-weld metal Mechanical Properties

Heat Treatment	Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation A5 (%)	Impact Energy ISO - V (J)	Hardness
As Welded	≥ 350	≥ 480	≥ 30	-	-

Gas test: Acc. To EN 439: I1(Arcal1)

Shielding Gas: Acc. To EN 439: I1(Arcal1)

Materials

2.4360 (NiCu30Fe); 2.4375 (NiCu30Al)

UNS N04400; UNS N 05500

Storage

Keep dry and avoid condensation

Current condition and welding position

DC-



PA PB PC PF PE PF2

Packaging data:

Diameters (L: 1000 mm)	2,0	2,4				
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Further forms of delivery on request.