

TECHNICAL SHEET

ERNiCu-7

BEIDUO® Alloys

Providing Complete Brazing, Soldering & Welding

No.:000284

Classification

AWS A5.14: ERNiCu-7

Chemical Composition: %

C	Mn	Fe	Cu	Si	Al	S	Ti	Ni	Other
≤0.15	4.0	2.5	Balance	1.25	1.25	≤0.015	1.5-3.0	62-69	0.5

Mechanical and physical properties

Tensile strength: 700 Mpa

Yield Strength: 300MPa

Elongation: 30 %

Welding process:

TIG , MIG

Description and Applications

The nominal composition of weld metal of this classification is 65 Ni, 30 Cu, 3 Mn, 2 Ti. Filler metal of this class is used for welding nickel-copper alloy (ASTM B127, B163, B164, B165, all of which have UNS Number N04400) to itself using the GTAW, GMAW, SAW and PAW processes. The filler metal contains sufficient titanium to control porosity with these welding processes.

Availability

Rods: ϕ 1.5-5.0mm Max.Length: 1000mm

Wire: ϕ 0.8, 1.0, 1.2, 1.6mm on spools D300

Other dimensions are available upon request

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