

TECHNICAL SHEET

ERNiCrFe-6

BEIDUO® Alloys

Providing Complete Brazing, Soldering & Welding

No.:000399

Classification

AWS A5.14: ERNiCrFe-6

EN ISO 18274: SNi 7092

Chemical Composition: %

Cr	Ni	Fe	Ti	C	Si	Mn	P	Cu	Other
14-17	≥67	≤8.0	2.5-3.5	≤0.08	≤0.35	2.0-2.7	≤0.015	≤0.5	0.5

Mechanical and physical properties

Tensile strength: 553 Mpa

Yield Strength: 248 MPa

Elongation: 31 %

Brinell Hardness: 132 HBW

Welding process:

TIG , MIG

Description and Applications

Solid wire for dissimilar joints. Use for Mig and Tig welding of dissimilar alloys: Nickel alloys to stainless steels, carbon steels, and Nickel-copper alloys (e.g. Monel®); Nickel-copper alloys and pure Nickel to stainless steels; stainless steels to carbon steels.

This wire provides high strength and corrosion resistance from -269° C to over 980° C. Weld deposits can be age hardened for greater strength at temperatures to about 700° C

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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