

TECHNICAL SHEET

Silicon Bronze

BEIDUO® Alloys

Providing Complete Brazing, Soldering & Welding

No.:000028

Classification

AWS A5.7 ERCuSi-A
EN 13347 CuSi3

Chemical Composition: %

Cu	Ni	Si	Zn	Al	Fe	Mn	Other
Balance	≤0.05	2.8-4.0	≤1.0	0.01	≤0.5	0.5-1.5	≤0.5

Mechanical and physical properties

Melting range: 910-1025 °C

Tensile strength: 330-370N/mm²

Elongation: 40 %

Hardness(Brinell): 80-90HB

Welding process:

TIG , MIG

Shielding Gas: Argon

Description and Applications

Best For butt and the hard facing of brass, especially for the MIG welding of Zinc coated steel sheet, Pre-heat suggested when MIG hard facing for large size products and use pulsed argon arc welding while hard facing on steel.

Availability

Rods: ϕ 1.5-5.0mm Max.Length: 1000mm

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

Other dimensions are available upon request

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