

TECHNICAL SHEET

Tin Bronze

BEIDUO® Alloys

Providing Complete Brazing, Soldering & Welding

No.:000031

Classification

AWS A5.7: /

BS EN14640: **CuSn10**

ISO24373: **CuSn10MnSi**

Chemical Composition: %

Cu	Fe	Mn	Si	Sn	Zn	Pb	Other
Balance	/	0.2-0.35	0.2-0.3	9.0-10.0	≤0.05	≤0.02	≤0.5

Mechanical and physical properties

Melting range: 887-1020 °C

Tensile strength: 290N/mm²

Elongation: 12-16 %

Hardness(Brinell): 115HB

Density: 8.7g/cm³

Welding process:

TIG , MIG

Shielding Gas: Argon

Description and Applications

Recommended for the joining welding of copper with Cu-Sn alloy. Best for the joining welding of Cu-Zn alloy with steel. Pre-heat suggested for the large size products, and pulsed arc welding is recommended for multilayer on steel.

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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