

TECHNICAL SHEET

Tin Bronze

BEIDUO® Alloys

Providing Complete Brazing, Soldering & Welding

No.:000030

Classification

AWS A5.7: **ERCuSn-C**

BS EN14640: **CuSn9P**

Chemical Composition: %

Cu	Fe	P	Si	Sn	Zn	Pb	Other
Balance	/	0.10-0.35	/	6.0-7.5	≤0.2	≤0.02	≤0.5

Mechanical and physical properties

Melting range: 875-1025 °C

Tensile strength: 260N/mm²

Elongation: 20-25 %

Hardness(Brinell): 80-85HB

Density: 8.8g/cm³

Welding process:

TIG , MIG

Shielding Gas: Argon

Description and Applications

Particularly suitable for the welding of copper with Cu-Sn alloy, especially for the butt joining welding of brass with steel. Can also be used in repairing cast copper product. Pre-heat suggested for large size products. And pulsed argon arc welding is recommended for multilayer hard facing 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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