

TECHNICAL SHEET

Cu87Mn10Co3

BEIDUO® Alloys

Providing Complete Brazing, Soldering & Welding

No.:000276

Classification

Hi-Temp 870

Cu87Mn10Co3

EN ISO 3677: B-Cu87MnCo-980/1030

Chemical Composition: %

Cu	Mn	Co	Mg	Al	P	Si	Pb	Other
Balance	9.0-11.0	2.5-3.5	0.005	0.002	0.008	<0.002	<0.02	0.30

Mechanical and physical properties

Working temperature: 1020 °C

Melting range: 980 - 1030°C

Specific gravity: 8.8 g/cm³

Welding process:

Brazing

Processing through controlled atmosphere furnace should be applied.

Description and Applications

The material can be used for brazing any steels, nickel and nickel based alloys. High-temperature strength. Free-flowing. For carbides, stainless steels, tool steels, and nickel alloys. Excellent wetting of carbides, stainless steel and copper. It suits well to carbide/steel applications where high mechanical stresses are encountered (i.e. mining or road construction).

Availability

Rods: ϕ 1.5-5.0mm Max.Length: 15mm-1000mm

Wire: ϕ 1.2, 1.6mm on spools or coil wire

Other dimensions are available upon request

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Jan.10,2019