TECHNICAL SHEET

Cu58ZnMnCo2

BEIDUO® Alloys
Providing Complete Brazing, Soldering & Welding

No.:000283

Classification

Copper based high temperature brazing alloy
Cu58ZnMnCo2

Chemical Composition: %

Cu	Zn	Mn	Co	Other
Balance	38	2	2	0.30

Mechanical and physical properties

Working temperature: 950 °C
Melting range: 880-930 °C
Specific gravity: 8.2 g/cm^3

Welding process:

Brazing

Description and Applications

It is suitable to join steels, stainless steels, tool steels, nickel alloys and cemented carbides. The alloys exhibits good ductility and high temperature strength.
Brazing procedures range from torch to induction. Because of its high zinc content the alloys is only marginally suited to furnace brazing.
The use of a proper high temperature flux is necessary.
Typical application of Cu58ZnMnCo2 are in the drilling tools sector for joining tool steel shanks to carbide bits, combining the brazing operation with the heat treatment of the tool steel body.

Availability

Rods: Φ1.5-5.0mm Max.Length: 15mm-1000mm
Wire: Φ1.2，1.6mm on spools or coil wire
Other dimensions are available upon request

BEIDUO ALLOYS
#2999 Binhong West Road, Jinhua , Zhejiang, China
Tel: 86-579-83533866 Mob.:86-13806785765
Email: sales@jhbeiduo.com www.beiduoalloys.com