

Classification

Cu55ZnMnNi
Hi-Temp 548

Chemical Composition: %

Cu	Zn	Ni	Mn	Si	Other
55.0	Balance	6.0	4.0	0.25	0.5

Mechanical and physical properties

Melting range: 880-920 °C

Description and Applications

Excellent plasticity in molten state. Gap-filling. Excellent strength and ductility during cooling, which is an advantage over silver brazes when joining materials with dissimilar thermal expansion. For carbides, stainless steels, tool steels, and nickel alloys. Used for joining carbide tool tips to steel holders. Light yellow color. May contain 0.2% silicon for better flow. For induction, torch and furnace brazing.

Example:

Brazing of tungsten materials (Wc+Co) and steel for drilling tools



Availability

Rods / Wires / button / Strips

Other dimensions are available upon request

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