



C18000

Chemical Composition

(%max., unless shown as range or min.)

	Cu ⁽¹⁾	Cr	Fe	Ni ⁽²⁾	Si
Min./Max.	Rem.	.10-.8	0.15	1.8-3.0	.40-.8
Nominal	-	0.45	-	2.4	0.6

(1) Cu value includes Ag.

(2) Includes Co.

Note: Cu + Sum of Named Elements, 99.7% min.

Applicable Specifications

No information available.

Common Fabrication Processes

No information available.

Fabrication Properties

No information available.

Mechanical Properties

No information available.

Physical Properties

No information available.

Tempers Commonly Used

No information available.

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Typical Uses

Resistance Welding Tips, Resistance Welding Wheels and Fixtures, Stud Welding Collets and Tips, Heat Sink Inserts in Steel Plastic Molds, Blow Pins, Pinch Offs, Mold Cavities for Bold Molds, Hot runner Systems for Injection Molds, Cores, Core & Ejector Pins for Injection Molds, Plunger Tips for Metal Die Casting Machines, Welding Dies for Wire and Flash, Sprue Bushing, Cavities for Injection Molds, Blow Pins, Pinch Offs, Mold Cavities for Bold Molds

Casting Characteristics

No casting characteristics available for this alloy.