fontargen brazing by voestalpine

A 102

High strength German silver brazing alloy

Classifications

DIN EN ISO 3677
B-Cu48ZnNiAg(Si)-870/900

Composition, typical analysis (% w/w)

Cu	Ag	Sn	Zn	Si	Ni	Mn
48	1	< 0.2	bal.	0.25	9.5	< 0.2

Mechanical and physical properties

Melting range	870 - 900 °C	Tensile strength	785 N/mm²
Working temperature	890 °C	Elongation (l=5d)	17 - 21 %
Specific gravity	8,2 g/cm^3		

Characteristics and typical fields of application

Nickel-bearing filler metal of high strength and good fluidity. Suitable for gap brazing of steel, cast iron, malleable cast iron, nickel and nickel alloys. This alloy is very well suited for butt joints.

Heat sources

Flame, induction and resistance heating, TIG-torch

Flux

F 100 – Series
Rapidflux - Series