Silver Brazing Alloy J12100

Composition (wt %)									ISO 17672	EN 1044
Ag	Cu	Zn	Mn	Ni	Sn	Si	P	Other		
12	48	40	-	-	-	0,15	-	-	Ag 212	AG 207

Technical data

Density	8,4 g/cm^3
Melting range	800-830 °C
Shear strength	-
Tensile strength	430 N/mm^2
Recommended joint gap	0,075-0,20 mm
Maximum operating temperature of brazed joint	200 °C

Applications

This low silver content brazing alloy is frequently employed for heat exchangers, plumbing technology and electric devices.
It shows good flow properties and joints generally present a very good tensile strength. However, joint strength depends on various factors: type of base metals to be joined, type of joint, joint gap, etc.
Its melting range is quite narrow.
Heat sources commonly employed are flame or induction heating system.

Standard forms and dimensions

Product	Feasibility
Wire	✓
Strip	-
Rods	✓
Flux coated rods	✓
Rings	✓

Recommended fluxes

Universal FPA, General FPO, Special FPA.

Note

Silver brazing alloys and dimensions other than those listed in our catalogue are available upon request.

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