

TECHNICAL DATA SHEET

JOINEX688D + Ag05% - 417 ‰

Master alloy for the production of red 375 - 417 - 585 - 750 ‰ gold soldering sheets and wires. The resulting alloy is categorized as a hard soldering and it can be casted in mould or by continuous casting. The use is suggested with the addition of 5 % of pure silver to the master alloy.

TAB.1 - Mechanical data

Hardness as cast	n.d.
Hardness hardened	n.d.
Tensile strength	n.d.
Yield strength	n.d.
Elongation	n.d.

TAB.2 - Physical data

Color	red
Colour Coordinates	n.d.
Density	13.17 g/cm ³
Melting Range	Solidus: 785 °C Liquidus: 926 °C

TAB.3 - Heat treatments

Solution annealing	525 °C 20 min
Recrystallization Annealing	525 °C 20 min
Hardening	n.d.

TAB.4 - Mechanical working parameters

Premelting temperature		1026	°C
Casting Temperature	Min:	976	°C
	Max:	1076	°C
First thickness reduction	Lamination:	20	%
	Drawing:	10	%
Following thickness reductions	Lamination:	50	%
	Drawing:	25	%
Pickling after annealing	H2SO4:	20	%
	Temp:	50	°C
	Time:	5	min