

GENERAL INFORMATION
General information

Color shade	Red
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Production process	Mechanical working
Typology	Master alloy for gold

Melting temperatures

Liquidus [°C]	930.0
Solidus [°C]	905.0
Melting range [°C]	25.0

Commercial composition

Zinc (%)	3,00
Copper (%)	89,00
Silver (%)	8,00



GOLD line

FULL CHARACTERIZATION DATA
Color coordinates

L*	85.5
a*	8.8
b*	15.6
c*	17.9

General characteristics

As cast grain size [µm]	255.0
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Mechanical characteristics

As cast hardness [HV 0.2]	140.0
Hardness after annealing [HV 0.2]	150.0
Hardness after 70% area red. [HV 0.2]	260.0
Tensile strength (Rm) [Mpa]	437.0
Yield strength (Rp0.2) [MPa]	213.0
Elongation at rupture (A) [%]	43.0

Product applications

Cladding production
Continuous casting
Hand production
Hollow chain production
Ingot casting
Massive chain production
Production of tube from continuous casting
Sheet production
Stamping production
TIG tube production
Wire production

RELATED PRODUCTS LIST
Related Products

L1A	Powder for soldering of gold and silver chains
LSR490	Master alloy for soldering of 375-585-750‰ (9-14-18 Kt) red gold
LSR500	Master alloy for soldering of 585-750‰ (14-18 Kt) red gold

Alternative Products

OR134	All-purpose master alloy for 375-585-750‰ (9-14-18 Kt) red gold
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MECHANICAL WORKING PARAMETERS

Pre-mixing temperature [°C] 1050.0

Reductions

Wire - diameter (%) 45.0

Sheet - area or thickness (%) 75.0

POURING TEMPERATURES

Countinous from [°C]

Countinous to [°C]

Ingot from [°C]

Ingot to [°C]

Temperatures

1030.0

1110.0

1010.0

1050.0

MECHANICAL WORKING ANNEALING

Temp. from [°C]

Temp. to [°C]

Time [min]

<1 mm

620.0

660.0

25.0

1 - 5 mm

620.0

660.0

30.0

>5 mm

620.0

660.0

35.0

Mechanical working quenching

Quench directly in a 50% water/50% alcohol solution or in water