

GENERAL INFORMATION
General information

Color	Yellow
Production process	Universal
Typology	Master alloy for gold
Color shade	Green yellow

Melting temperatures

Liquidus [°C]	845.0
Solidus [°C]	810.0
Melting range [°C]	35.0

Commercial composition

Silver (%)	64,00
Copper (%)	36,00



GOLD line

FULL CHARACTERIZATION DATA
Color coordinates

L*	88.8
a*	1.6
b*	21.8
c*	21.9

Physical characteristics

Density [g/cm ³]	13.6
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Product applications

Hand production
Continuous casting
Ingot casting
Casting without stones
Stamping production
Massive chain production
Wire production
Sheet production
Casting in closed systems

Mechanical characteristics

As cast hardness [HV 0.2]	130.0
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RELATED PRODUCTS LIST
Related Products

LSG406B	Master alloy for soldering of 750‰ (18 Kt) yellow gold
LSG409	Master alloy for soldering of 585‰ (14 Kt) yellow gold
LSG409D	Master alloy for soldering of 585‰ (14 Kt) yellow gold
LSG409V	Master alloy for soldering of 750‰ (18 Kt) yellow gold

Alternative Products

B182N	Master alloy for mechanical working of 750‰ (18 Kt) yellow gold
C182N	Master alloy for casting of 750‰ (18 Kt) yellow gold

CASTING PROCESSING PARAMETERS

Pre-mixing temperature [°C] 965.0

CASTING TEMPERATURES	Flask from [°C]	Flask to [°C]	Metal from [°C]	Metal to [°C]
< 0.5 mm	660.0	720.0	945.0	975.0
0.5 - 1.2 mm	580.0	650.0	925.0	945.0
> 1.2 mm	460.0	600.0	905.0	925.0

Trees without stones

Let the flask cool down for 5 minutes, then quench in water.

Pickling

Dip in RADIAL solution (50 g/l conc. at 60°C for 2 min.), or in sulphuric acid (10% conc. at 50°C for 5 min.)

MECHANICAL WORKING PARAMETERS

Pre-mixing temperature [°C] 965.0

Reductions

Sheet - area or thickness (%) 70.0

Wire - diameter (%) 45.0

POURING TEMPERATURES	Countinous from [°C]	Countinous to [°C]	Ingot from [°C]	Ingot to [°C]
Temperatures	945.0	1025.0	925.0	965.0

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 water