

**MASTER
ALLOY**
YB22C 917‰

MASTER ALLOY FOR CASTING OF 917‰ (22 KT) YELLOW GOLD

GENERAL INFORMATION
General information

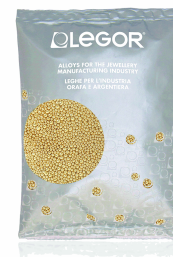
Color	Yellow
Typology	Master alloy for gold
Production process	Casting

Melting temperatures

Liquidus [°C]	950.0
Solidus [°C]	915.0
Melting range [°C]	35.0

Commercial composition

Silver (%)	11,00
Copper (%)	77,00
Zinc (%)	12,00



GOLD line

FULL CHARACTERIZATION DATA
Color coordinates

L*	86.8
a*	7.5
b*	24.2
c*	25.4

Physical characteristics

Density [g/cm ³]	17.8
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Product applications

Casting without stones
Casting in open systems
Casting in closed systems
Stone-in-place casting

Mechanical characteristics

As cast hardness [HV 0.2]	80.0
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RELATED PRODUCTS LIST
Related Products

LSG401	Master alloy for soldering of 875-917‰ (21-22 Kt) yellow gold
LSG404	Master alloy for soldering of 875-917‰ (21-22Kt) yellow gold

Alternative Products

YA223W	All-purpose master alloy for 875-917‰ (21-22 Kt) yellow gold
YA22U	All-purpose master alloy for 375-585-750-917‰ (9-14-18-22 Kt) yellow gold

CASTING PROCESSING PARAMETERS

Pre-mixing temperature [°C] 1070.0

CASTING TEMPERATURES	Flask from [°C]	Flask to [°C]	Metal from [°C]	Metal to [°C]
< 0.5 mm	660.0	730.0	1050.0	1080.0
0.5 - 1.2 mm	580.0	680.0	1030.0	1050.0
> 1.2 mm	540.0	620.0	1010.0	1030.0

Trees without stones

Let the flask cool down for 10-15 minutes, then quench in water.

Stone-in-place casting trees

Let the flask cool down for 30-45 minutes, then quench in water.