

**MASTER
ALLOY**
YA22U 875‰

ALL-PURPOSE MASTER ALLOY FOR 375-585-750-917‰ (9-14-18-22 Kt) YELLOW GOLD

GENERAL INFORMATION
General information

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

Melting temperatures

Liquidus [°C]	925.0
Solidus [°C]	900.0

Commercial composition

Silver (%)	6,00
Copper (%)	85,00
Zinc (%)	9,00



GOLD line

FULL CHARACTERIZATION DATA
Color coordinates

L*	84.3
a*	8.1
b*	22.8

Mechanical characteristics

As cast hardness [HV 0.2]	100.0
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Product applications

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

RELATED PRODUCTS LIST
Related Products

LSG406B	Master alloy for soldering of 750‰ (18 Kt) yellow gold
LSG409V	Master alloy for soldering of 750‰ (18 Kt) yellow gold

Alternative Products

YA223W	All-purpose master alloy for 875-917‰ (21-22 Kt) yellow gold
YB22C	Master alloy for casting of 917‰ (22 Kt) yellow gold

CASTING PROCESSING PARAMETERS

Pre-mixing temperature [°C] 1045.0

CASTING TEMPERATURES	Flask from [°C]	Flask to [°C]	Metal from [°C]	Metal to [°C]
< 0.5 mm	650.0	680.0	1025.0	1055.0
0.5 - 1.2 mm	650.0	680.0	1000.0	1025.0
> 1.2 mm	650.0	680.0	980.0	1000.0

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.

Pickling

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