

GENERAL INFORMATION
General information

Color	Yellow
Color shade	Light yellow
Production process	Casting
Typology	Brass

Melting temperatures

Liquidus [°C]	970.0
Solidus [°C]	900.0
Melting range [°C]	70.0

Commercial composition

Copper (%)	77,00
Zinc (%)	23,00


FASHION line
FULL CHARACTERIZATION DATA
Color coordinates

L*	86.7
a*	-0.5
b*	21.4
c*	21.4

Physical characteristics

Density [g/cm ³]	8.5
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Mechanical characteristics

As cast hardness [HV 0.2]	70.0
Hardness after annealing [HV 0.2]	80.0
Hardness after 70% area red. [HV 0.2]	235.0
Tensile strength (Rm) [Mpa]	349.0
Yield strength (Rp0.2) [MPa]	103.0
Elongation at rupture (A) [%]	47.0

Product applications

Casting in closed systems
Casting in open systems
Casting without stones

CASTING PROCESSING PARAMETERS

CASTING TEMPERATURES	Flask from [°C]	Flask to [°C]	Metal from [°C]	Metal to [°C]
< 0.5 mm	660.0	720.0	1070.0	1100.0
0.5 - 1.2 mm	580.0	650.0	1050.0	1070.0
> 1.2 mm	460.0	600.0	1030.0	1050.0

Trees without stones

Let the flask cool down for 5 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 2 min.), or in sulphuric acid (10% conc. at 50°C for 5 min.)