

GENERAL INFORMATION
General information

Color	Yellow
Color shade	Rich yellow
Production process	Casting
Typology	Brass

Melting temperatures

Liquidus [°C]	920.0
Solidus [°C]	855.0
Melting range [°C]	65.0

Commercial composition

Copper (%)	75,00
Zinc (%)	22,00
Silicon (%)	3,00



FASHION line

FULL CHARACTERIZATION DATA
Color coordinates

L*	88.6
a*	1.2
b*	14.1
c*	14.2

Physical characteristics

Density [g/cm ³]	8.3
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General characteristics

As cast grain size [μm]	350.0
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Product applications

Casting in closed systems
Casting without stones
Casting in open systems

Mechanical characteristics

As cast hardness [HV 0.2]	160.0
Tensile strength (Rm) [Mpa]	648.0
Yield strength (Rp0.2) [MPa]	525.0
Elongation at rupture (A) [%]	20.0

CASTING PROCESSING PARAMETERS

CASTING TEMPERATURES	Flask from [°C]	Flask to [°C]	Metal from [°C]	Metal to [°C]
< 0.5 mm	660.0	720.0	1040.0	1070.0
0.5 - 1.2 mm	580.0	650.0	1020.0	1040.0
> 1.2 mm	460.0	600.0	1000.0	1020.0

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.)