

GENERAL INFORMATION
General information

Color	Yellow
Production process	Mechanical working
Color shade	Green yellow
Typology	Brass

Melting temperatures

Liquidus [°C]	940.0
Solidus [°C]	880.0
Melting range [°C]	60.0

Commercial composition

Copper (%)	67,00
Zinc (%)	33,00



PRIME line

FULL CHARACTERIZATION DATA
Color coordinates

L*	88.5
a*	-1.4
b*	27.6
c*	27.6

Physical characteristics

Density [g/cm ³]	8.4
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General characteristics

As cast grain size [μm]	480.0
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Product applications

Ingot casting
Wire production
Sheet production

Mechanical characteristics

As cast hardness [HV 0.2]	65.0
Hardness after annealing [HV 0.2]	75.0
Hardness after 70% area red. [HV 0.2]	235.0
Tensile strength (Rm) [Mpa]	305.0
Yield strength (Rp0.2) [MPa]	71.0
Elongation at rupture (A) [%]	47.0

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.)

MECHANICAL WORKING ANNEALING	Temp. from [°C]	Temp. to [°C]	Time [min]
<1 mm	660.0	700.0	25.0
1 - 5 mm	660.0	700.0	30.0
>5 mm	660.0	700.0	35.0

Mechanical working quenching

Quench directly in water