

**MASTER
ALLOY**
BR10

BRASS FOR CASTING

GENERAL INFORMATION
General information

Color	Yellow
Color shade	Pink yellow
Production process	Casting
Typology	Brass

Melting temperatures

Liquidus [°C]	985.0
Solidus [°C]	880.0
Melting range [°C]	105.0

Commercial composition

Copper (%)	92,50
Silicon (%)	3,50
Zinc (%)	4,00



FASHION line

FULL CHARACTERIZATION DATA
Color coordinates

L*	85.5
a*	3.3
b*	13.5
c*	13.9

Physical characteristics

Density [g/cm ³]	8.6
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Product applications

Casting in open systems
Stone-in-place casting
Casting in closed systems

Mechanical characteristics

As cast hardness [HV 0.2]	125.0
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CASTING PROCESSING PARAMETERS

CASTING TEMPERATURES	Flask from [°C]	Flask to [°C]	Metal from [°C]	Metal to [°C]
< 0.5 mm	660.0	720.0	1085.0	1115.0
0.5 - 1.2 mm	580.0	650.0	1065.0	1085.0
> 1.2 mm	460.0	600.0	1045.0	1065.0

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.)