

GENERAL INFORMATION
General information

Color	Red
Color shade	Red
Production process	Casting
Typology	Bronze

Melting temperatures

Solidus [°C]	980.0
Melting range [°C]	40.0
Liquidus [°C]	1020.0

Commercial composition

Copper (%)	94,00
Tin (%)	6,00



FASHION line

FULL CHARACTERIZATION DATA
Color coordinates

L*	88.2
a*	6.1
b*	14.7
c*	15.9

Physical characteristics

Density [g/cm ³]	8.8
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General characteristics

As cast grain size [µm]	450.0
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Product applications

Stone-in-place casting
Casting without stones
Casting in closed systems
Casting in open systems

Mechanical characteristics

As cast hardness [HV 0.2]	100.0
Hardness after annealing [HV 0.2]	105.0
Hardness after 70% area red. [HV 0.2]	235.0
Tensile strength (Rm) [Mpa]	419.0
Yield strength (Rp0.2) [MPa]	242.0
Elongation at rupture (A) [%]	38.0

RELATED PRODUCTS LIST
Alternative Products

BR10S	Bronze for casting
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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	1120.0	1150.0
0.5 - 1.2 mm	580.0	650.0	1100.0	1120.0
> 1.2 mm	460.0	600.0	1080.0	1100.0

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.)