

GENERAL INFORMATION
General information

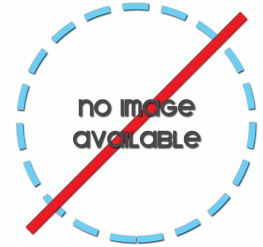
Typology	Ready-to-use platinum
Color shade	Premium white
Color	Platinum
Production process	Casting

Melting temperatures

Melting range [°C]	30.0
Liquidus [°C]	1670.0
Solidus [°C]	1640.0

Commercial composition

Platinum (%)	95,50
Cobalt (%)	4,50



PRECIOUS line

FULL CHARACTERIZATION DATA
Color coordinates

L*	84.3
a*	0.5
b*	4.1
c*	4.1
Yellow index	9.9

General characteristics

As cast grain size [µm]	150.0
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Product applications

Centrifugal casting
Casting in closed systems

Mechanical characteristics

As cast hardness [HV 0.2]	175.0
Hardness after annealing [HV 0.2]	185.0
Hardness after 70% area red. [HV 0.2]	340.0
Tensile strength (Rm) [Mpa]	550.0
Yield strength (Rp0.2) [MPa]	260.0
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	800.0	900.0	1840.0	1880.0
0.5 - 1.2 mm	750.0	850.0	1820.0	1860.0
> 1.2 mm	700.0	800.0	1800.0	1840.0

Trees without stones

Let the flask cool down for 3-4 minutes after pouring under protective gas, then quench in water.

Pickling

Use water jet or sand blasting