

ALLOY WHITE GOLD 18KT

**SOVRAN BIANCA**
**RECOMMENDED APPLICATIONS**
**WORKING:** UNIVERSAL– CONTINUOUS CASTING – INGOT CASTING – CASTING

**PRODUCTION:** STAMPING – SHEARED – TUBE – SOLID CHAINS – HOLLOW CHAINS

**CHARACTERIZATION DATA**
**COLOR** OFF WHITE

**PERCENT SILVER 0% – PERCENT NICKEL 18%**
**DENSITY [g/cm<sup>3</sup>]** 14,90

**MELTING TEMPERATURES °C** 950

**CASTING PROCESSING PARAMETERS**

MELTING TEMPERATURES °C 1030

| CASTING TEMPERATURES [°C]   | METAL [°C] | FLASK [°C] |
|-----------------------------|------------|------------|
| THIN (BELOW. 0,5MM)         | 1000-1020  | 660-700    |
| MEDIUM (FROM 0,50 TO 1,2MM) | 990-1000   | 580-650    |
| THICK (ABOVE 1,2MM)         | 970-980    | 540-600    |

**TREES WITHOUT STONES:** LET THE FLASK COOL FOR 10-15 MINUTES, THEN QUENCH IN WATER.

**PICKLING:** DIP IN RADIAL SOLUTION 50g/l, 60°C FOR 5-10 MINUTES, OR IN SULPHURIC ACID

10% CONC, AT °C 50 FOR 10 MINUTES.



**ekisson**



## MECHANICAL WORKING PARAMETERS

MELTING TEMPERATURE[°C] 1060

| CASTING TEMPERATURE [°C]          | ANNEALING TEMPERATURE[°C] | TIME MINUTES ANNEALING |
|-----------------------------------|---------------------------|------------------------|
| INGOT MAKING [°C] 1020-1050       | > 5 MM 670-680            | 30                     |
| CONTINUOUS CASTING [°C] 1050-1120 | < 5 MM 670-680            | 30                     |
|                                   | < 1 MM 650-680            | 25                     |

11:25:57 am

## TECHNICAL CHARACTERISTICS

AS CAST HARDNESS HV AC 180

HARDNESS AFTER AGE-HARDENING HV AH