



ekisson



ALLOY WHITE GOLD 14KT

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 NICKEL 18%

DENSITY [g/cm³] 12.7

MELTING TEMPERATURE °C 1050

CASTING PROCESSING PARAMETERS

MELTING TEMPERATURES °C 1080

CASTING TEMPERATURES [°C]	METAL [°C]	FLASK [°C]
THIN (BELOW. 0,5MM)	1030-1080	680-700
MEDIUM (FROM 0,50 TO 1,2MM)	1020-1050	600-650
THICK (ABOVE 1,2MM)	1010-1020	540-600

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

PICKLING: DIP IN RADIAL SOLUTION 50g/l, 50°C FOR 2 MINUTES, OR IN SULPHURIC ACID

10% CONC, AT °C 50 FOR 5 MINUTES.



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MECHANICAL WORKING PARAMETERS

MELTING TEMPERATURE[°C]1080

CASTING TEMPERATURE [°C]	ANNEALING TEMPERATURE[°C]	TIME MINUTES ANNEALING
INGOT MAKING [°C] 1070-1080	> 5 MM 640-650	30
CONTINUOUS CASTING [°C] 1080-1120	< 5 MM 640-650	30
	< 1 MM 640-650	25

TECHNICAL CHARACTERISTICS

AS CAST HARDNESS HV AC 149

HARDNESS AFTER AGE-HARDENING HV AH ---