

ALLOY WHITE GOLD 9KT

**EKB89**
**RECOMMENDED APPLICATIONS**

**WORKING:** UNIVERSAL- CONTINUOUS CASTING – INGOT CASTING - CASTING

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

**CHARACTERIZATION DATA**

**COLOR** OFF WHITE

**PERCENT NICKEL** 7% **PERCENT SILVER** 8%

**DENSITY [g/cm<sup>3</sup>]** 10,81

**MELTING TEMPERATURES °C** 915

**CASTING PROCESSING PARAMETERS**

MELTING TEMPERATURES °C 1060

CASTING TEMPERATURES [°C]	METAL [°C]	FLASK [°C]
THIN (BELOW. 0,5MM)	990-1020	660-700
MEDIUM (FROM 0,50 TO 1,2MM)	980-1000	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.

**TREES WITH STONES:** LET THE FLASK COOL FOR 45 – 50 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.

**MECHANICAL WORKING PARAMETERS**

MELTING TEMPERATURE[°C] 1150

CASTING TEMPERATURE [°C]	ANNEALING TEMPERATURE[°C]	TIME MINUTES ANNEALING
INGOT MAKING [°C] 1100-1150	> 5 MM 640-650	30
CONTINUOUS CASTING [°C] 1060-1200	< 5 MM 640-650	30
	< 1 MM 640-650	25

**TECHNICAL CHARACTERISTICS**
**AS CAST HARDNESS HV AC 98**
**HARDNESS AFTER AGE-HARDENING HV AH --**