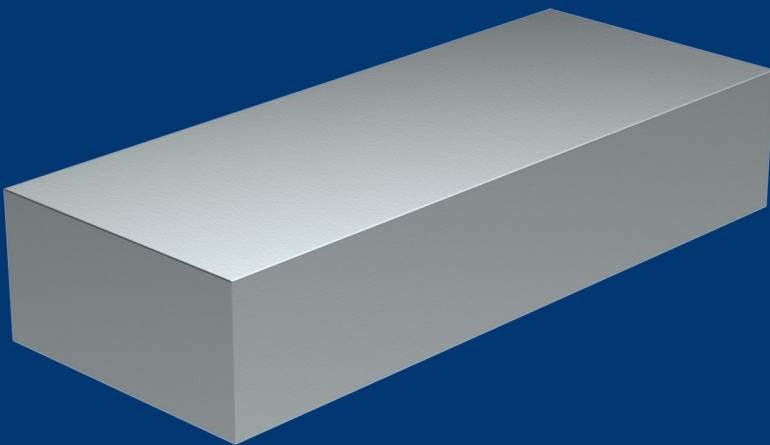


DATA SHEET

SIMOLD^{...}

S131



W.NR.: ~1.2738 mod. HH

EN / DIN:

AISI: ~ P20 Mod.

CHEMICAL COMPOSITION

C	Si	Mn	Cr	Mo	Ni	V
0.28	Max 0.40	1.50	1.30	0.50	1.00	0.15

ULTRASOUND EXAMINATION

EN 10228-3 art.2-4, SEP1921 D/d

DELIVERY CONDITION

quenched and tempered at 310-360 HB

PROCESS

conventional

HEAT TREATMENT

soft annealing	cooling	hardness (HB)
710-740 °C	furnace	<235
hardening	quenching	hardness (HRC)
840-880 °C	oil, thermal bath 180-220 °C	52

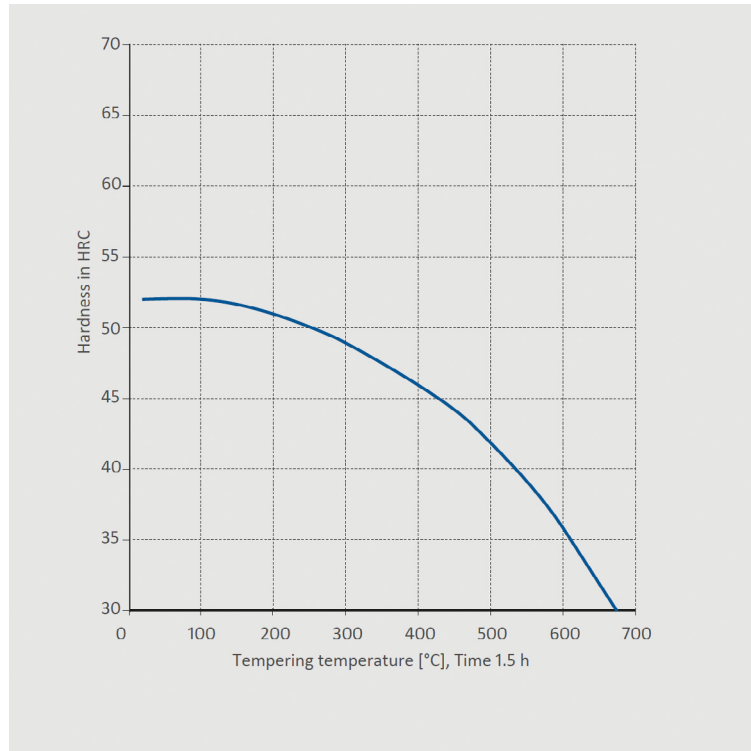
PROPERTIES

Steel for plastic processing and cold work with a greater hardness and better toughness compared to SIMOLD 2311. This steel has better mechanical and machining properties due to the higher Ni content. Its greater hardness of between 310 - 360 HB increases the abrasion resistance and thus the life of tools. Very good toughness. Very suitable for nitrating, texturing, PVD-coating and surface-hardening through induction and by flame. Compared to SIMOLD 2738 it has better repair welding properties due to its lower content of C. Very good polishability.

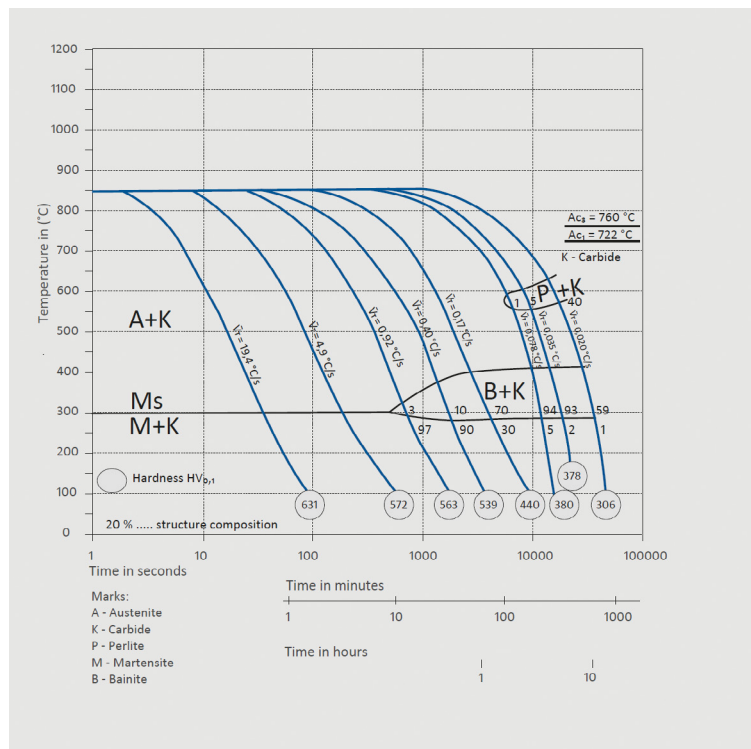
APPLICATION

For large moulds for plastics. SIMOLD S131 is the logical development of SIMOLD 2738. General construction components. Tools for the low temperature casting of zinc. Supporting parts used in extrusion (amplifiers, hammers).

TT



CCT



DISCLAIMER

The information and data presented herein are typical or average values and are not a guarantee of maximum or minimum values. Applications specifically suggested for material described herein are made solely for the purpose of illustration to enable the reader to make his own evaluation and are not intended as warranties, either express or implied, of fitness for these or other purposes. There is no representation that the recipient of this literature will receive updated editions as they become available.