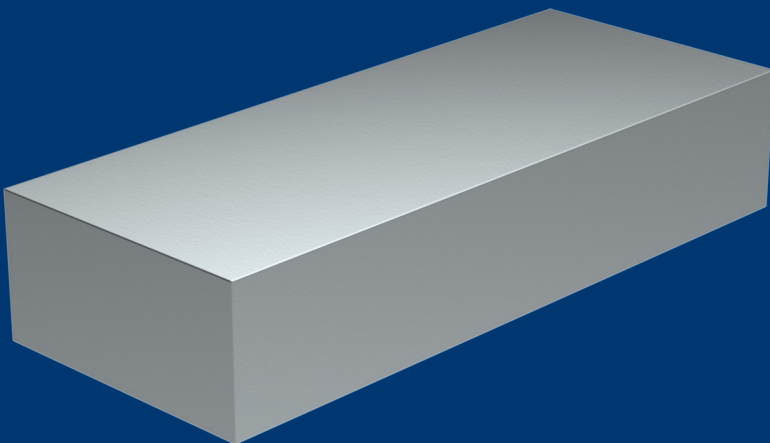


DATA SHEET

SIMOLD^{...}

2738



W.NR.: 1.2738 (EN ISO 4957)

EN / DIN: 40CrMnNiMo8-6-4

AISI: ~ P20 + Ni

CHEMICAL COMPOSITION

C	Si	Mn	Cr	Mo	Ni
0.40	0.30	1.45	1.95	0.20	1.05

ULTRASOUND EXAMINATION

EN 10228-3 art.2-4

DELIVERY CONDITION

quenched and tempered at 280-325 HB

PROCESS

conventional

HEAT TREATMENT

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

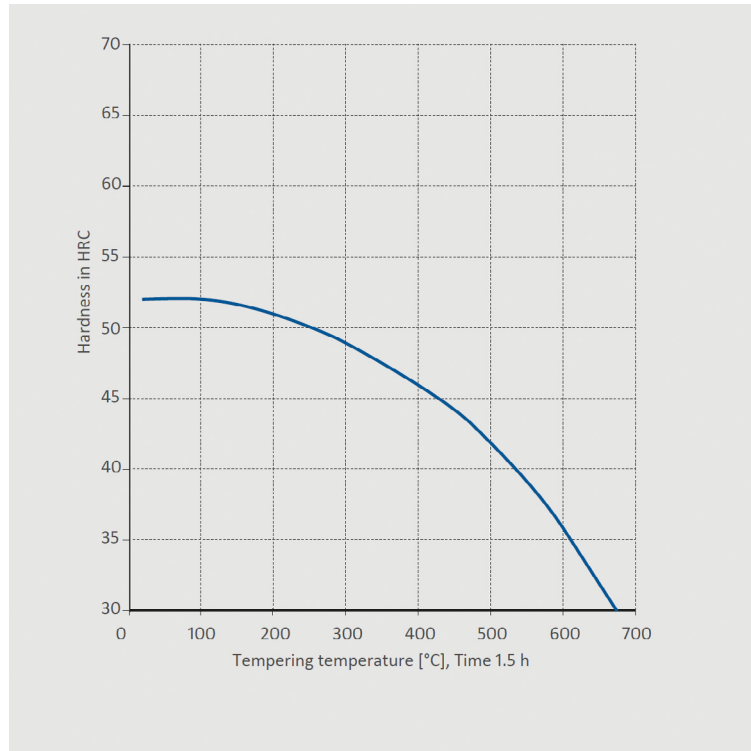
PROPERTIES

This steel is primarily used for plastic processing. It has good polishing and texturing capacity. Compared to RS 101 / RS 100 this steel has more balanced mechanical and machining properties due to the higher Ni content. Very good toughness. Can be nitrated, PVD-coated and surface hardened through induction and by flame. Good polishability.

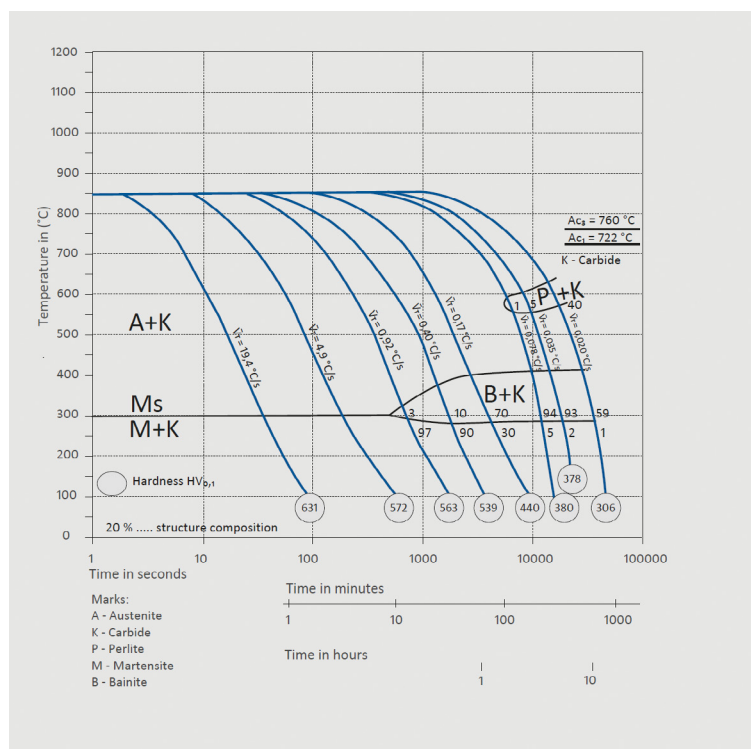
APPLICATION

For large moulds for plastics, frames for plastics processing. 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.