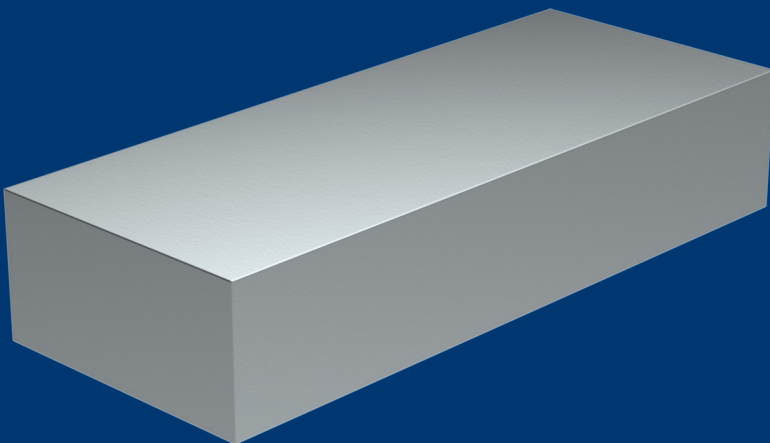


DATA SHEET

SIMOLD[™]

S131R



W.NR.: ~1.2738 mod. HH ESR

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

electro slag remelted - ESR

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

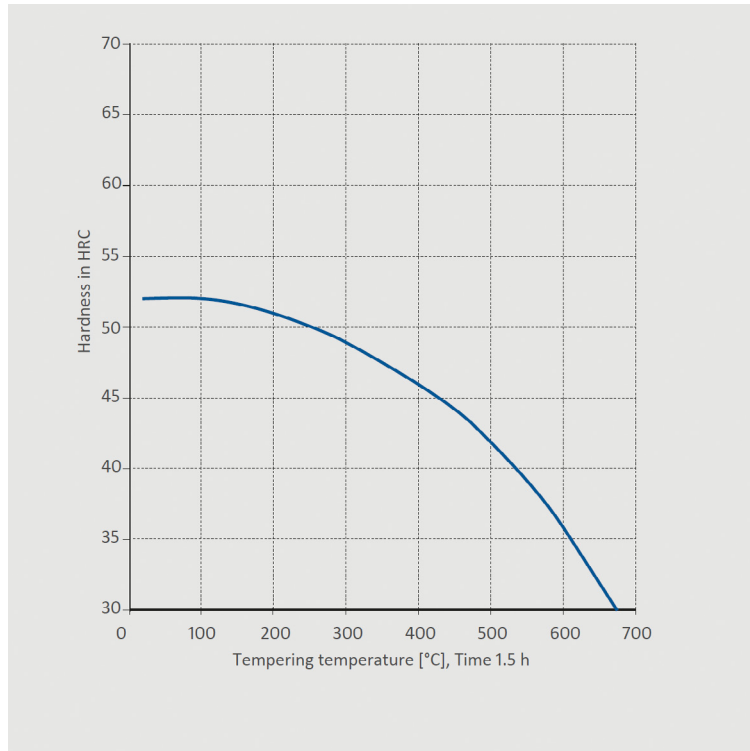
PROPERTIES

Steel for plastic processing and cold work applications. It has excellent polishing and texturing properties. This steel has better 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. Its greater hardness of between 310 - 360 HB increases the abrasion resistance and thus the life of tools. The ESR process ensures the better mechanical properties (cleanliness) of this steel compared to SIMOLD S131 and SIMOLD 2738.

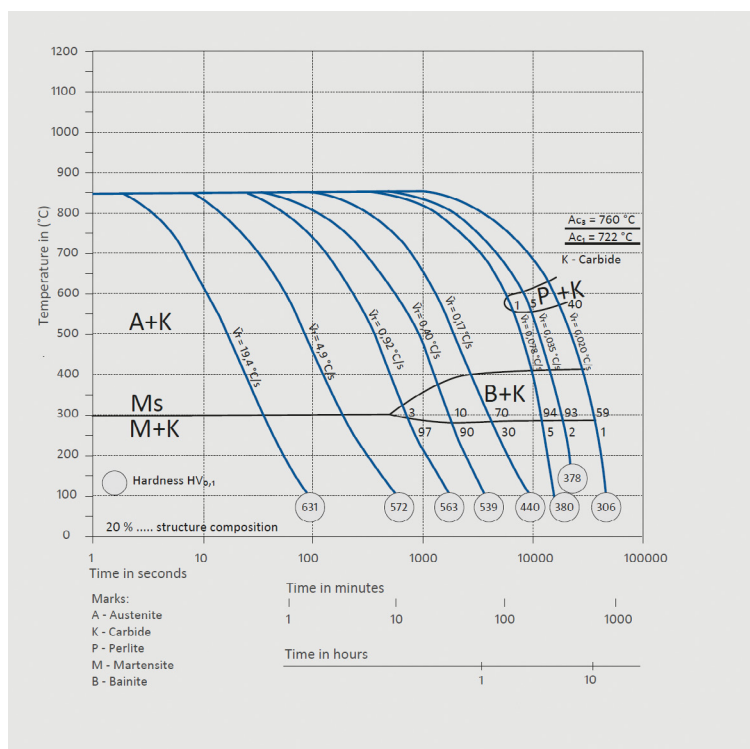
APPLICATION

For large tools for plastics processing, where high polishing capability is needed - e.g. automotive lights.

TT



CCT



DISCLAIMER

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