

→ W.NR.:	1.2738 (EN ISO 4957)
→ EN / DIN:	40CrMnNiMo8-6-4
→ AISI:	~ P20 + Ni

→ CHEMICAL COMPOSITION (W%)

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

→ 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.

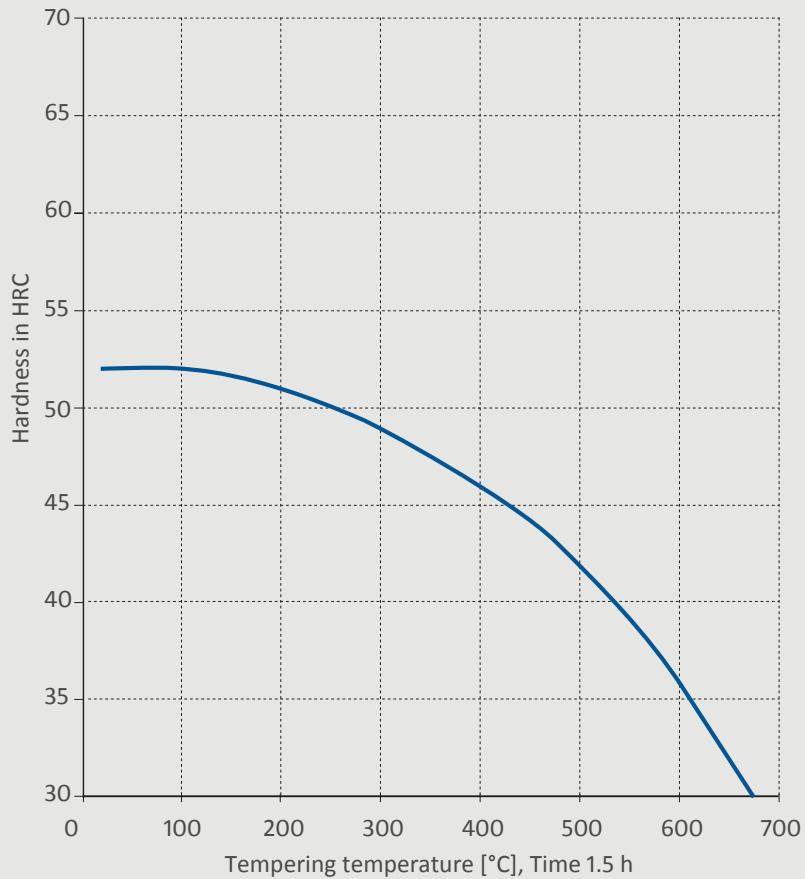
→ APPLICATION

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).

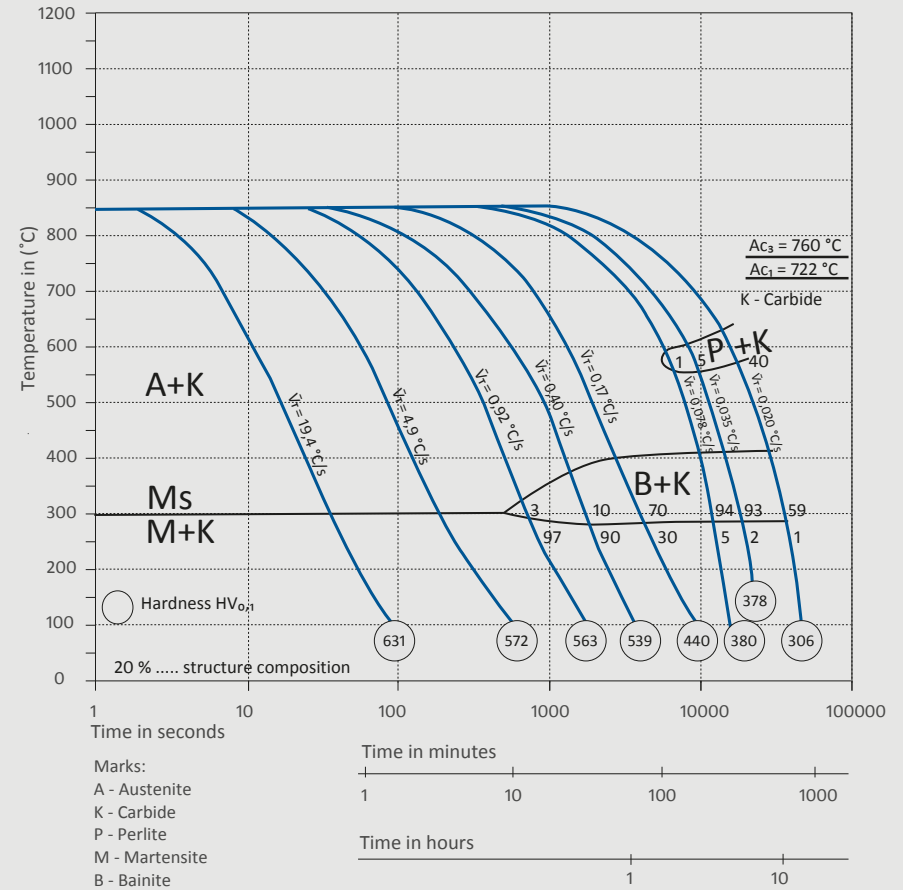
→ ULTRASOUND EXAMINATION

EN 10228-3 art.2-4

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