

→ W.NR.: 1.2311

→ EN / DIN: 40CrMnMo7

→ AISI: P20

→ CHEMICAL COMPOSITION (W%)

C	Si	Mn	Cr	Mo
0.40	0.30	1.45	1.95	0.20

→ DELIVERY CONDITION: quenched and tempered at 280-325 HB

→ PROCESS: conventional

→ HEAT TREATMENT

soft annealing	cooling	hardness (HB)
710-740 °C	furnace	<230
hardening	quenching	hardness (HRC)
830-880 °C	oil, warm bath 180-220 ° C	51

→ PROPERTIES

Quenched and tempered steel with good machinability and improved polishing ability compared to that of RS 100. Good dimensional stability. Can be hardened by flame or through induction. Can be nitrated. Suitable for EDM and texturing.

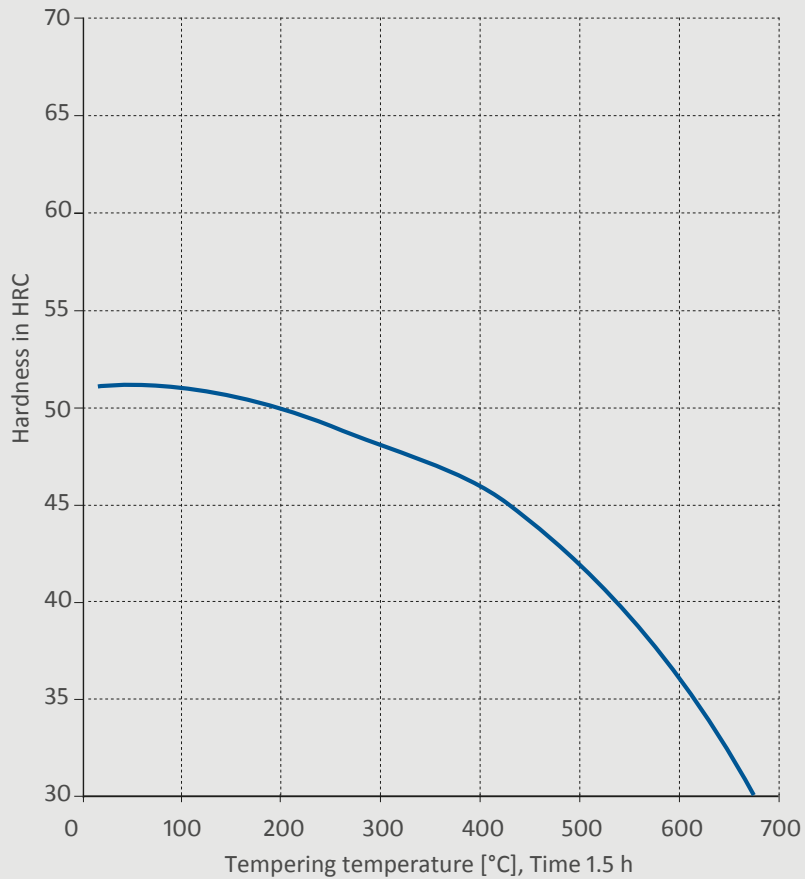
→ APPLICATION

Medium-sized tools for plastics. Mould frames for plastic and pressure casting moulds. Holders of dies and inserts. Even for gravure casting of low-melting metals.

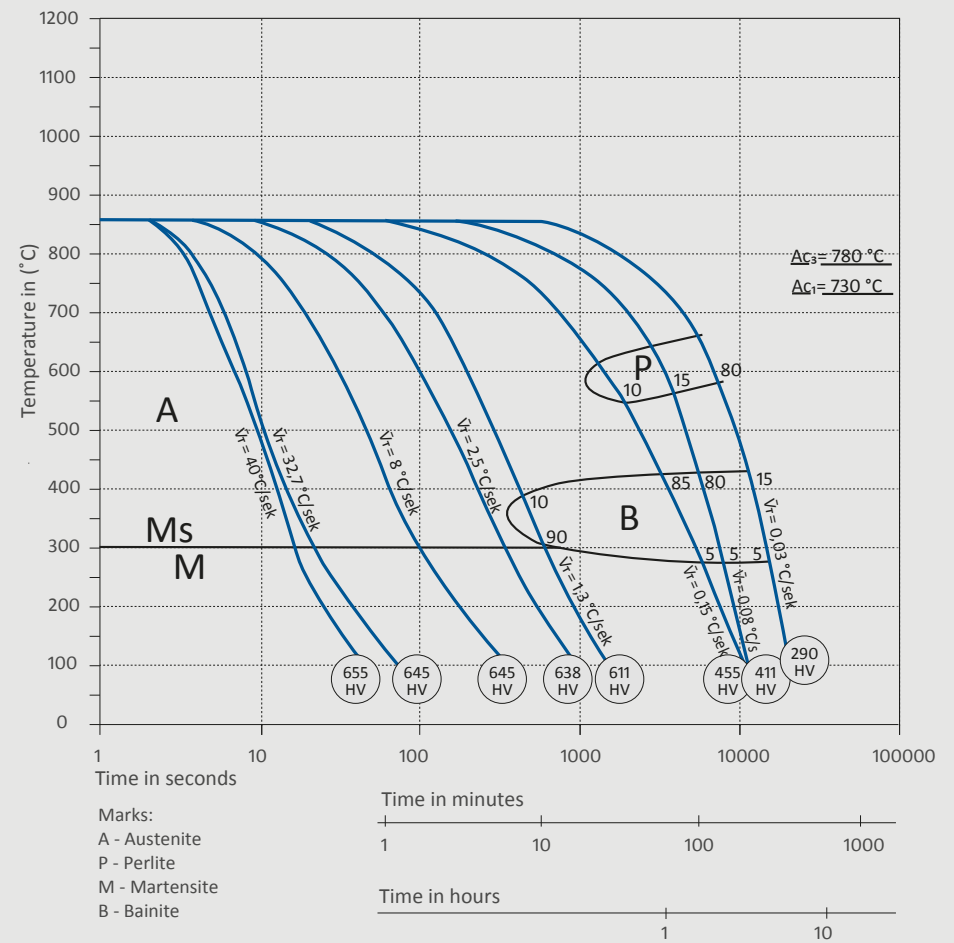
→ ULTRASOUND EXAMINATION

EN 10228-3 art.2-4, SEP1921 E/e

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