

→ W.NR.:	1.2312
→ EN / DIN:	40CrMnMoS8-6
→ AISI:	~ P20 + S

→ CHEMICAL COMPOSITION (W%)

C	Si	Mn	Cr	Mo	S
0.40	0.40	1.50	1.90	0.20	0.075

→ 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 tool steel with a uniform martensitic-bainitic microstructure. Good machinability due to its S content (better than that of RS 101). Good resistance to embossing. Can be nitrated to prevent erosion and increase corrosion resistance. Can be surface-hardened through induction or by flame. For lower thermal stresses. Caution should be exercised by EDM, texturing and polishing.

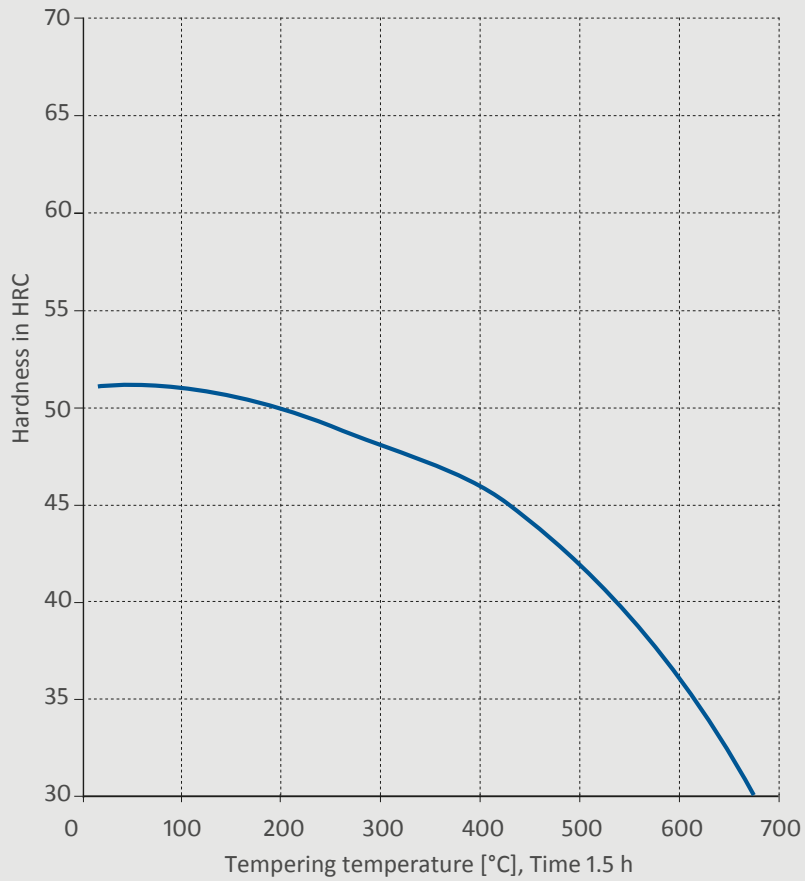
→ APPLICATION

Tools for plastics and rubber with low surface polishing needs. Mould frames for plastic and pressure casting moulds.

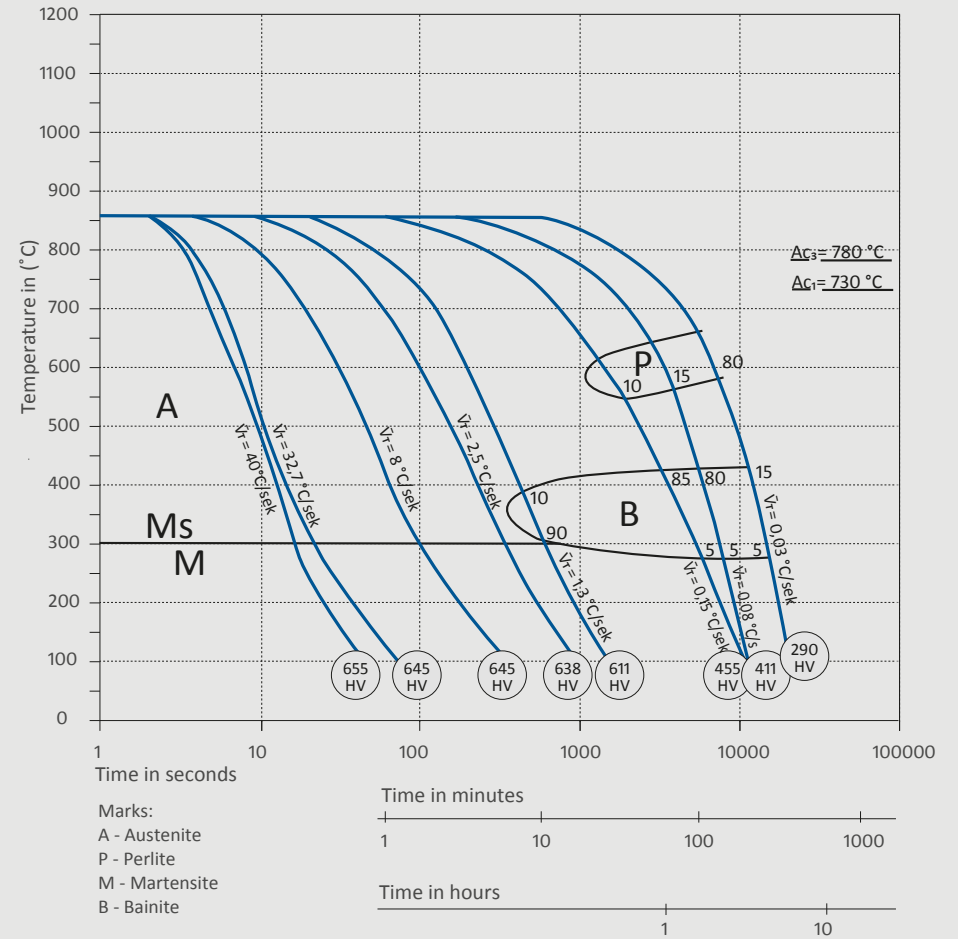
→ ULTRASOUND EXAMINATION

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

↳ tt



↳ cct



DISCLAIMER

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