

→ W.NR.:	1.2083 ESR
→ EN / DIN:	X40Cr14
→ AISI:	~ 420

→ CHEMICAL COMPOSITION (W%)

C	Si	Mn	Cr	Mo
0.42	0.40	0.30	13.00	0.20

→ DELIVERY CONDITION:	soft annealed with a hardness of <230 HB
→ PROCESS:	electro slag remelted - ESR

→ HEAT TREATMENT

soft annealing	cooling	hardness (HB)
760-800 °C	furnace	<230
hardening	quenching	hardness (HRC)
1000-1050 °C	oil, thermal bath 500-550 °C	55-57

→ PROPERTIES

This is a stainless martensitic steel with a high content of Cr. Steel for the processing of plastics, corrosion resistant and with excellent polishing properties. Suitable for texturing. Very good wear resistance with medium toughness. High compressive strength. Smaller cross-sections can also be hardened in the open air. Good machining properties. When the most demanding polishing characteristics and large cross-sections are needed.

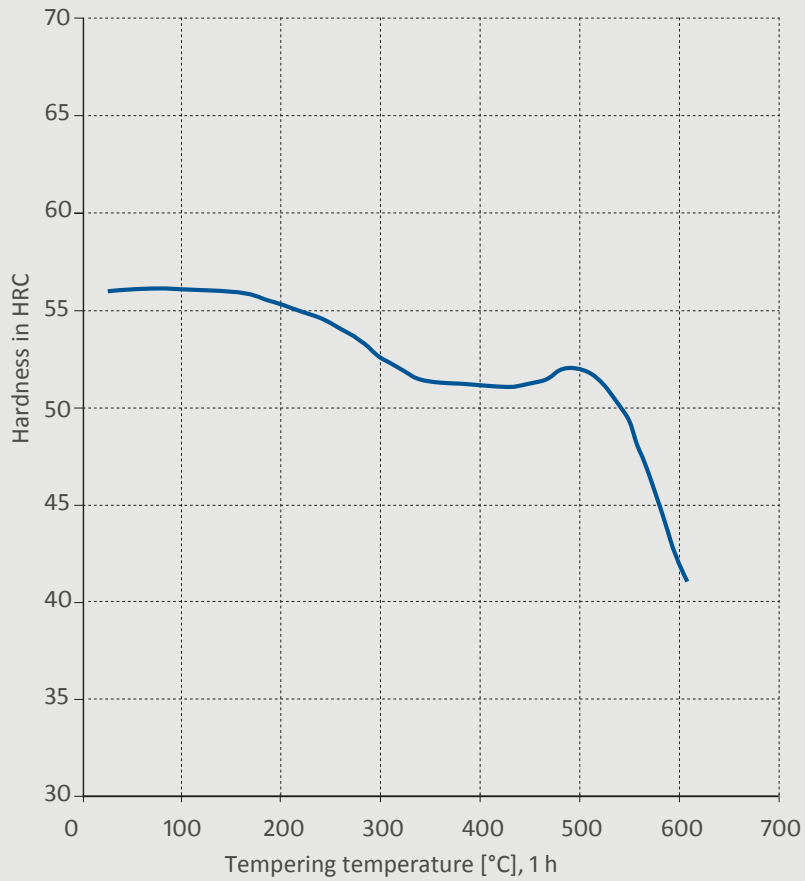
→ APPLICATION

Mould for processing plastic, for corrosion-aggressive plastics such as PVC. For plastics with abrasive filler. For inserts, especially suitable in combination with the RS 118/RS 120 RAVNEX steel. Tools for the manufacture of lenses. General cutting tools, surgical blades, instruments.

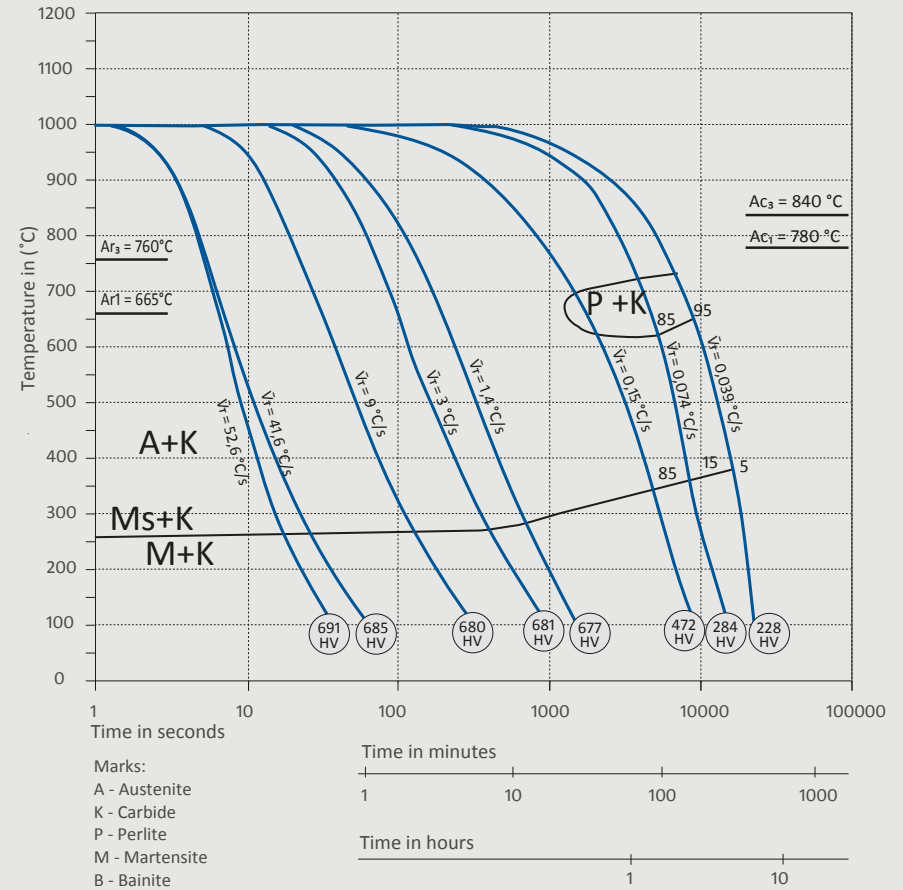
→ ULTRASOUND EXAMINATION

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

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