sij | ravne steel

PLASTIC MOULD STEEL

QUALITY

RS 105

→ W.NR.:	~1.2738 mod. HH
→ EN / DIN:	
→ AISI:	~ P20 Mod.

→ CHEMICAL COMPOSITION (W%)

C	Si	Mn	Cr	Mo	Ni	V
0.28	Max. 0.40	1.50	1.30	0.50	1.00	0.15

→ DELIVERY CONDITION:	quenched and tempered at 310-360 HB
→ PROCESS:	conventional

→ HEAT TREATMENT

soft annealing	cooling	hardness (HB)
710-740 °C	furnace	<235
hardening	**quenching**	**hardness (HRC)**
840-880 °C	oil, thermal bath 180-220 ° C	52

→ PROPERTIES

Steel for plastic processing and cold work with a greater hardness and better toughness compared to RS 101. This steel has better mechanical and machining properties due to the higher Ni content. Its greater hardness of between 310 - 360 HB increases the abrasion resistance and thus the life of tools. Very good toughness. Very suitable for nitrating, texturing, PVD-coating and surface-hardening through induction and by flame. Compared to RS 103 it has better repair welding properties due to its lower content of C. Very good polishability.

→ APPLICATION

For large moulds for plastics. RS 105 is the logical development of RS 103. 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, SEP1921 D/d

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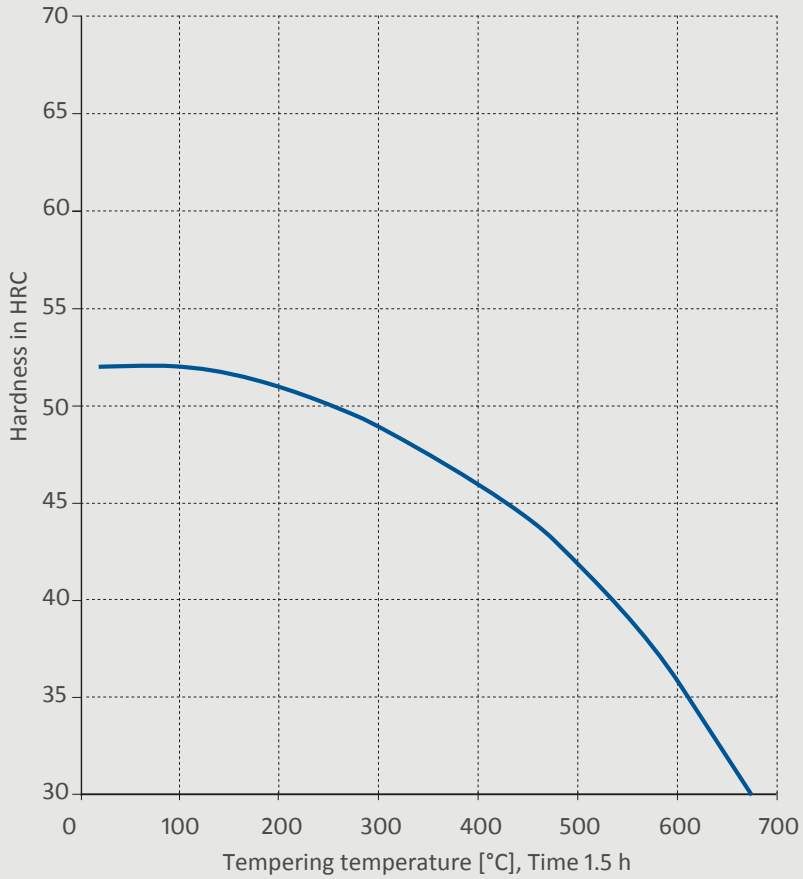

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