

1.2738 HH

Material no.: 1.2738 HH

HASCO colour code: blue/green/black

Abbreviated DIN name: Special alloy

Chemical analysis (%):

C	Mn	Cr	Ni	Mo	
0,25	1,4	1,3	1,0	0,5	

Hardness when supplied: 310-355 HB
(1050-1200 N/mm²)

Characteristics

Material properties:

Hardened and tempered steel for plastics processing moulds, with a homogeneous strength even for large dimensions.

Uses:

Big cavity plates with deep cavities and highly stressed core

Physical properties

Thermal expansion coefficient

(10⁻⁶·m)/(m·K)

100	200	300	400	500	600		°C
10,9	12,6	13,0	13,5	13,8	14,2		

Thermal conductivity

W/(m·K)

20	350	700	°C
38	40,1	24,2	

Remarks

Polishing: Is possible.

Graining: Is possible.

Nitriding: Is possible.

Hardening: Not usual, is used in its supplied condition.

Soft annealing: Not usual.

Stress-relief annealing: To eliminate residual stress after coarse machining at 710-740°C, 4 h with slow furnace cooling to 600°C.

Tempering chart

