

## 1.2714HH

**Material no.:** 1.2714HH

**HASCO colour code:** violet/yellow/black

**Abbreviated DIN name:** 55 NiCrMoV 7

**Chemical analysis (%):**

C	Cr	Mo	Ni	V
0,55	1,1	0,5	1,7	0,1

**Hardness when supplied:** max. 400 HB  
(~ 1350 N/mm<sup>2</sup>)

### Characteristics

#### Material properties:

Very good toughness with good heat resistance and through-hardening.

#### Uses:

Cores, slides and cavity inserts for plastic processing moulds.

### Physical properties

#### Thermal expansion coefficient (10<sup>-6</sup>·m)/(m·K)

100	200	300	400	500	600	700	°C
12,2	13,0	13,3	13,7	14,2	14,4		

**Thermal conductivity** W/(m·K)

20	350	700	°C
36,0	38,0	35,0	

### Remarks

**Polishing:** Is possible.

**Graining:** Not usual.

**Nitriding:** Not usual.

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

**Soft annealing:** Not usual.

**Stress-relief annealing:** To eliminate residual stress after coarse machining at 600-650°C, 4 h with slow furnace cooling.

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