



Material information sheet

Material number: 1.1620

Material: C 70 W 2

Steel group: unalloyed tool steel

Usage: compressed air plug tools in mining- and road construction

Chemical composition:

	C	Si	Mn	P	S
Minimum	0,65	0,10	0,10	0,00	0,00
Maximum	0,70	0,30	0,35	0,030	0,030

Heat-treatment:

Hot forming	Soft annealing (+A)	Hardening in water	tempering
800 – 1000 °C	680 - 710 °C	790 - 820 °C	180 - 300 °C

Mechanical characteristics:

Hardness after tempering	$R_m \leq 800 \text{ MPa}$
Hardness after quenching	~ 63 HRC
Hardening depth: 2,5 – 4 mm	