

material no.: 2.4610  
 UNS no.: N06455  
 designation: Alloy C4

**CHEMICAL REQUIREMENTS IN (%)**

	ASTM B574	VdTÜV Werkstoffblatt 424
Mo	14,0 - 17,0	14,00 - 17,00
Cr	14,0 - 18,0	14,50 - 17,50
Fe, max.	3,0	3,00
Co, max.	2,0	2,00
C, max.	0,015	0,009
Si, max.	0,08	0,050
Mn, max.	1,0	1,00
P, max.	0,04	0,020
S, max.	0,03	0,010
Ti, max.	0,7	0,70
Ni	Bal.	Bal.

**MECHANICAL PROPERTIES**
**solution annealed**

	bar D ≤ 88,9 mm	bar D ≤ 160 mm	forging D ≤ 250 mm
R <sub>m</sub> (MPa)	≥ 690	700 - 900	
R <sub>p 0,2</sub> (MPa)	≥ 276	≥ 280	
R <sub>p 1,0</sub> (MPa)		≥ 315	
A (%)	≥ 40	≥ 40	
Av (J)		≥ 96	

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