

material no.: 2.4642  
 UNS no.: N06690  
 designation: Alloy 690

## CHEMICAL REQUIREMENTS IN (%)

	ASTM B166/564	DIN 17742
Ni	min. 58,0	Bal.
Cr	27,0 - 31,0	27,0 - 31,0
Fe	7,0 - 11,0	7,0 - 11,0
Mn, max.	0,5	0,50
C, max.	0,05	0,05
Cu, max.	0,5	0,50
Si, max.	0,5	0,50
S, max.	0,015	0,015
P, max.		0,020
Al, max.		0,50
Ti, max.		0,50

## MECHANICAL PROPERTIES

### solution annealed

	bar ASTM B166	forging ASTM B564	bar D ≤ 100 mm DIN 17752
R <sub>m</sub> (MPa)	≥ 586		≥ 590
R <sub>p0,2</sub> (MPa)	≥ 241		≥ 240
A (%)	≥ 30		≥ 30

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