

material no.: 2.4602
 UNS no.: N06022
 designation: Alloy C22

CHEMICAL REQUIREMENTS IN (%)

	ASTM B564/574	VdTÜV Werkstoffblatt 479
Mo	12,5 - 14,5	12,5 -14,5
Cr	20,0 - 22,5	20,0 - 22,5
Fe	2,0 - 6,0	2,0 - 6,0
W	2,5 - 3,5	2,5 - 3,5
Co, max.	2,5	2,5
C, max.	0,015	0,010
Si, max.	0,08	0,080
Mn, max.	0,50	0,50
V, max.	0,35	0,35
P, max.	0,02	0,025
S, max.	0,02	0,010
Ni	Bal.	Bal.

MECHANICAL PROPERTIES

solution annealed

	bar	forging	bar	forging
	ASTM B574	ASTM B564	D ≤ 250 mm	D ≤ 160 mm
R _m (MPa)	≥ 690		690 - 950	
R _{p 0,2} (MPa)	≥ 310		≥ 310	
R _{p 1,0} (MPa)			≥ 335	
A (%)	≥ 45		≥ 45	
Av (J)			≥ 120	

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