

material no.: 2.4066
 UNS no.: N02200
 designation: Alloy 200

CHEMICAL REQUIREMENTS IN (%)

	ASTM B160/564	DIN 17740
Ni, min.	99,0	Ni + Co, min. 99,2
Cu, max.	0,25	0,25
Fe, max.	0,40	0,4
Mn, max.	0,35	0,3
C, max.	0,15	0,1
Si, max.	0,35	0,2
S, max.	0,01	0,005
Mg, max.		0,15
Ti, max.		0,1

MECHANICAL PROPERTIES

	bar ASTM B160	forging ASTM B564
hot worked		
R _m (MPa)	≥ 415	
R _{p 0,2} (MPa)	≥ 105	
R _{p 1,0} (MPa)		
A (%)	≥ 35	

MECHANICAL PROPERTIES

	bar ASTM B160	forging ASTM B564	bar / forging D ≤ 55 mm DIN 17752
annealed			
R _m (MPa)	≥ 380		≥ 370
R _{p 0,2} (MPa)	≥ 105		≥ 100
R _{p 1,0} (MPa)			≥ 125
A (%)	≥ 40		≥ 40
hardness (HBW 2,5/62,5)			max. 130

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