

material no.: 3.7035
 UNS no.: R50400
 designation: Titan Grade 2

CHEMICAL REQUIREMENTS IN (%)

	ASTM B348/381	DIN 17850
N, max.	0,03	0,05
C, max.	0,08	0,06
H, max.	0,015	0,013
Fe, max.	0,30	0,20
O, max.	0,25	0,18
residuals, each, max.	0,1	0,10
residuals, total, max.	0,4	0,40
Ti	Bal.	Bal.

MECHANICAL PROPERTIES

annealed

	bar	forging	bar	forging
	ASTM B348	ASTM B381	D ≤ 100 mm DIN 17862	D ≤ 100 mm DIN 17864
R _m (MPa)	≥ 345		390 - 540	
R _{p 0,2} (MPa)	≥ 275		≥ 250	
R _{p 1,0} (MPa)			≥ 270	
A (%)	≥ 20		l ≥ 22, q ≥ 20	
Z (%)	≥ 30		≥ 30	
Av (J)			l ≥ 41, q ≥ 34*	

* optional

All information are supplied without liability.