

CHEMICAL REQUIREMENTS IN (%)

	ASTM B160	VdTÜV Werkstoffblatt 345	DIN 17740
Ni, min.	99,0	99,0	Ni + Co, min. 99,0
Cu, max.	0,25	0,25	0,25
Fe, max.	0,40	0,4	0,4
Mn, max.	0,35	0,35	0,3
C, max.	0,02	0,02	0,02
Si, max.	0,35	0,2	0,2
S, max.	0,01	0,01	0,005
Mg, max.		0,15	0,15
Ti, max.		0,1	0,1

MECHANICAL PROPERTIES
hot worked bar

R _m (MPa)	≥ 345
R _{p 0,2} (MPa)	≥ 70
R _{p 1,0} (MPa)	
A (%)	≥ 40

MECHANICAL PROPERTIES
annealed bar bar / forging bar
 D ≤ 55 mm
 DIN 17752

R _m (MPa)	≥ 345	340 - 540	≥ 340
R _{p 0,2} (MPa)	≥ 70	≥ 80	≥ 80
R _{p 1,0} (MPa)		≥ 105	≥ 105
A (%)	≥ 40	≥ 40	≥ 40
hardness (HBW 2,5/62,5)			max. 130

All information are supplied without liability.