

material no.: 2.4633
 UNS no.: N06025
 designation: Alloy 602CA

ASTM B166/564

VdTÜV Werkstoffblatt 540

	ASTM B166/564	VdTÜV Werkstoffblatt 540
Ni	Bal.	Bal.
Cr	24,0 - 26,0	24,0 - 26,0
Fe	8,0 - 11,0	8,0 - 11,0
Mn, max.	0,15	0,1
Al	1,8 - 2,4	1,8 - 2,4
C	0,15 - 0,25	0,15 - 0,25
Cu, max.	0,1	0,1
Si, max.	0,5	0,5
S, max.	0,010	0,010
Ti	0,1 - 0,2	0,1 - 0,2
P, max.	0,020	0,020
Zr	0,01 - 0,10	0,01 - 0,10
Y	0,05 - 0,12	0,05 - 0,12

MECHANICAL PROPERTIES
solution annealed

bar

shape / bar / forging

 D ≤ 102 mm
 ASTM B166

D ≤ 100 mm

R _m (MPa)	≥ 680	≥ 675
R _{p0,2} (MPa)	≥ 270	≥ 270
R _{p1,0} (MPa)		≥ 310
A (%)	≥ 30	≥ 30
Av (J)		I ≥ 55, q ≥ 30

MECHANICAL PROPERTIES
solution annealed

forging

D ≤ 102 mm

102 mm < D ≤ 305 mm

ASTM B564

R _m (MPa)	≥ 680	≥ 580
R _{p0,2} (MPa)	≥ 270	
R _{p1,0} (MPa)		
A (%)	≥ 30	≥ 15
Av (J)		

All information are supplied without liability.