

GRADES		Mechanical properties of stainless steel flat products												
EN [N°]	DESIGNATIONS (V)	AISI/ASTM	Product Form (1)	Thickness max [mm]	Heat Treatment (5) (13)	Hardness		Proof strength R _{p0.2} [MPa] (%) (14) (15) (transverse)	Tensile strength R _m [MPa]	Elongation after fracture		Impact energy (ISO-V) KV UJ min φ>10mm (longitudinal) (transverse)		
						HRB max	HB or HV max			A _{50mm} (%) (2) (tr. and long.)	A (%) (3) (tr. and long.)			
AUSTENITIC	1.4372 (3)	201	C	8	AT	90 (20)	241 (42)	350	from 750 to 950	45	45	100	60	
			H	13.5			330				40	40		
			P (4)	75			330							
	1.4373 (3)	202	C	8	AT	90 (20)	241 (42)	340	from 680 to 980	45	45	100	60	
			H	13.5			320							
			P (4)	75			320							
	1.4371 (3)		C	8	AT			300	from 650 to 850	45	45	100	60	
			H	13.5			280							
			P (4)	75			280							
	1.4697 (3)		C	8	AT			300	from 630 to 830	35	35	100	60	
			H	13.5			300				40	40	100	60
			C	4	AT		340							
	1.4309 (3)	301	C	4	AT			340	from 750 to 950	35	35	100	60	
			C	8	AT	85 (18)	217 (42)	250	from 600 to 950	40	40			
			C	8	AT	100	241	220 *	min 550		45 *			
1.4319 (3)	301 L (4)	C	3	AT			230	from 550 to 750	45	45				
		H	6	AT			230							
		C	8	AT			350	from 650 to 850	35	40	90	60		
1.4318 (3)	301 LN	H	13.5	AT			330	from 630 to 830	45	45				
		P (4)	75	AT	85 (20)	276 (48)	276 (48)			50 * (8)	108 (21)			
		P (4)	75	AT	80 (21)	241 (42)	241 (42)			60 * (21)				
1.4305 (3)	303	P (4)	75	AT			190	from 500 to 700	35	35				
		C	8	AT	80 (18)	230	230	from 540 to 750	45 (18)	45 (18)	100	60		
		H	13.5	AT	80 (20)	210	210	from 520 to 720	45	45				
1.4311 (3)	304 LN	C	8	AT			290	from 550 to 750	40	40	100	60		
		H	13.5	AT	95 (42)	217 (42)	270	from 530 to 740	45 (18)	45 (18)	100	60		
		P (4)	75	AT			270	from 510 to 710	45	45				
1.4048 (3)	304 H	C	6	AT			230	from 520 to 700	45	45	100	60		
		H	12	AT	92 (42)	201 (42)	210	from 520 to 700	45	45				
		P	75	AT	79 (18)	190	190	from 500 to 700	45	45				
1.4307 (3)	304 L	C	8	AT			220	from 520 to 700	45	45	100	60		
		H	13.5	AT	79 (20)	200	200	from 520 to 700	45	45				
		P (4)	75	AT	143 (21)	200	220	from 500 to 700	45	45				
1.4306 (3)	304 L	C	8	AT			200	from 520 to 700	45	45	100	60		
		H	13.5	AT	79 (18)	200	200	from 500 to 700	45	45				
		P (4)	75	AT	79 (20)	143 (21)	200	from 500 to 700	45	45				
1.4315 (3)	304 N	C	8	AT			200	from 500 to 700	40	40	100	60		
		H	13.5	AT	85 (20)	217 (42)	270	from 500 to 750	40	40				
		P (4)	75	AT			270							

