

Rolled plates

EN AW-6082 T6/T651; EN 573-3; EN 485-2,-3

Limit deviations of thickness according to EN 485-3

Specified thickness [mm]		Limit deviations of the thickness for the specified width [mm]				
over	to and include	to and include 1250	over 1 250 to and include 1 600	over 1 600 to and include 2 000	over 2 000 to and include 2 500	over 2 500 to and include 3 500
8	10	±0,45	±0,50	±0,50	±0,55	±0,60
10	15	±0,50	±0,60	±0,65	±0,65	±0,80
15	20	±0,60	±0,70	±0,75	±0,80	±0,90
20	30	±0,65	±0,75	±0,85	±0,90	±1,00
30	40	±0,75	±0,85	±1,00	±1,10	±1,20
40	50	±0,90	±1,00	±1,10	±1,20	±1,50
50	60	±1,10	±1,20	±1,40	±1,50	±1,70
60	80	±1,40	±1,50	±1,70	±1,90	±2,00
80	100	±1,70	±1,80	±1,90	±2,10	±2,20
100	150	±2,10	±2,20	±2,50	±2,60	-
150	220	±2,50	±2,60	±2,90	±3,00	-
220	350	±2,80	±2,90	±3,20	±3,30	-

Mechanical properties according to EN 485-2+A1

Material condition	Determined thickness [mm]		Tensile strength R_m [Mpa]		Slip limit $R_{p0,2}$ [Mpa]		Ductility min. [%]		Bend radius		Hardness [HBW] ^o
	over	to	min.	max	min.	max	A_{50mm}	A	180°	90°	
T6 / T651	6,0	12,5	300		255		9			6,0 t ^b	91
T6 / T651	12,5	60	295		240			8			89
T6 / T651	60,0	100,0	295		240			7			89
T6 / T651	100,0	150,0	275		240			6			84
T6 / T651	150,0	175,0	275		230			4			83
T6 / T651	175,0	350,0	260		220			2			-

Chemical composition according to EN 573-3 (AlSiMgMn)

Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Other individually	The last total	Al min.
0,7-1,3	0,50	0,10	0,40-1,0	0,6-1,2	0,25	-	0,20	0,10	0,05	0,15	Residue

Formats in stock [mm] (*)

1020 × 2020	1270 × 2520	1520 × 3020	a jiné
-------------	-------------	-------------	--------

(*) Consult the sales department for the current availability of formats

Thicknesses in stock [mm]

8 10 12 15 16 20 25 30 35 40 45 50 55 60 65 70 80 90 100 110 120 130 140 150
--

Rolled plates

EN AW-6082 T6/T651; EN 573-3; EN 485-2,-3

Contact with foodstuffs according to EN 602

Yes