

# Rolled plates

EN AW-6061 T6/T651; AMS-QQ-A-250/11A, ASTM B 209-14, AMS 4027N

## Limit deviations of thickness according to AMS-QQ-A-250/11A

Specified thickness [ inch ]		Limit deviations of the thickness for the specified width [ inch ]			
over	up to and including	up to and including 48,5	over 48,5 to and including 60,5	over 60,5 to and including 72,5	over 72,5 to and include 84,5
0,25	1	+0,014/0	+0,015/0	-	-
10	15	±0,50	±0,60	±0,65	±0,65
15	20	±0,60	±0,70	±0,75	±0,80
20	30	±0,65	±0,75	±0,85	±0,90
30	40	±0,75	±0,85	±1,00	±1,10
40	50	±0,90	±1,00	±1,10	±1,20
50	60	±1,10	±1,20	±1,40	±1,50
60	80	±1,40	±1,50	±1,70	±1,90
80	100	±1,70	±1,80	±1,90	±2,10
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 <sub>m</sub> [Mpa]		Slip limit R <sub>p0,2</sub> [Mpa]		Ductility min. [%]		Bend radius		Hardness [HBW] <sup>o</sup>
	over	to	min.	max	min.	max	A <sub>50mm</sub>	A	180°	90°	
T3 / T351	6,0	12,5	440		290		13			8,0 t <sup>b</sup>	124
T3 / T351	12,5	40	430		290			11			122
T3 / T351	40,0	80,0	420		290			8			120
T3 / T351	80,0	100,0	400		285			7			115
T3 / T351	100,0	120,0	380		270			5			110
T3 / T351	120,0	150,0	360		250			5			104

## Chemical composition according to EN 573-3 (AlCu4Mg1)

Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Other individually	The last total	Aluminium min.
0,5	0,5	3,8-4,9	0,3-0,9	1,2-1,8	0,1	-	0,25	0,15	0,05	0,15	residue

## Formats in stock [mm] (\*)

1020 × 2020	1270 × 2520	1520 × 3020	a jiné
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(\*) Consult the sales department for the current availability of formats

## Thicknesses in stock [mm]

8 10 12 15 16 20 25 30 32 36 40 45 50 56 63,5 70 80 90 105
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Contact with foodstuffs according to EN 602

No