

Rolled plates

EN AW-5083 H111; EN 573-3; EN 485-2,-3

Limit deviations of thickness acc EN 485-3

Specified thickness [mm]		Limit deviations of the thickness for the specified width [mm]				
over	up to and including	up to and including 1250	over 1250 to and including 1600	over 1600 to and including 2000	over 2000 to and including 2500	over 2500 to and including 3500
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	300	±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
	nad	do	min.	max	min.	max	A _{50mm}	A	180°	90°	
H111	6,3	12,5	270	345	115		16			2,5 t	75
H111	12,5	50	270	345	115			15			75
H111	50,0	80,0	270	345	115			14			73
H111	80,0	120,0	260		110			12			70
H111	120,0	200,0	255		105			12			69
H111	200,0	250,0	250		95			10			69
H111	250,0	300,0	245		90			9			69

Chemical composition according to EN 573-3 (AlMg4,5Mn0,7)

Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Other individually	The last total	Al min.
0,4	0,4	0,1	0,4-1,0	4,0-4,9	0,05-0,25	-	0,25	0,15	0,05	0,15	Residue

Formats in stock [mm] (*)

1020 × 2020	1270 × 2520	1520 × 3020	and other
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(*) Consult the sales department for the current availability of formats

Thicknesses in stock [mm]

8	10	12	15	20	25	30
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Contact with foodstuffs according to EN 602

Yes