

Rolled, milled plates

ALVAL 6082 T651; EN AW-6082 T651; EN 573-3; EN 485-2+A1

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] ^a
	over	to	min.	max	min.	max	A_{50mm}	A	180°	90°	
T651	6,0	8,0	300		255		9			6,0 t ^b	91
T651	10,0	50	295		240			8			89

Chemical composition according to EN 573-3 (AlSiMgMn)

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other individually	The last total	Al Min.
0,7-1,3	0,5	0,1	0,4-1,0	0,6-1,2	0,25	0,2	0,1	0,05	0,15	Residue

Thicknesses in stock [mm]

5,00 6,00 7,00 8,00 10,00 12,00 15,00 20,00 25,00 30,00 35,00 40,00 45,00 50,00

Thickness tolerance [mm]

+/- 0,100

Flatness [mm/m]

Thickness 5,00 - 14,99 mm	2,00
Thickness 15,00 - 19,99 mm	1,00
Thickness 20,00 - 50,00 mm	0,50

Formats in stock [mm] (*)

1520x3100 and other

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

Surface specification

Roughness	Ra=max 0,4um
Laser foil 0,1 mm	both sides

Contact with foodstuffs according to EN 602

Yes