

Rolled, milled plates

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

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	10,0	290		240		9			5,0 t ^b	88
T651	10,0	50,0	290		240			6			88

Chemical composition according to EN 573-3 (AlMg1SiCu)

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other individually	Others in total	Al Min.
0,4-0,8	0,7	0,15-0,40	0,15	0,8-1,2	0,04-0,35	0,25	0,15	0,05	0,15	Residue

Thicknesses in stock [mm]

6,00 8,00 12,00 15,00 20,00 25,00 30,00 35,00 50,00

Thickness tolerance [mm]

+/- 0,100

Flatness [mm/m] - We guarantee for the whole plate only

Thickness 6,00 - 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] (*)

1536x3670 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