

# Cast, both side milled plates

ALQAL 5083; EN 5083; EN 573-3

**Mechanical properties ( the European standard does not establish any range of mechanical properties for cast materials, these are typical values )**

Tensile strength Rm ( MPa )	Yield strength Rp0,2 (MPa)	Ductility A5 (%)	Hardness HBW
210-270	110-130	5-15	65-75

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

Si	Fe	Cu	Mn	Mg	Cr	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

**Thicknesses in stock [mm]**

4,00 5,00 6,00 7,00 8,00 10,00 12,00 12,70 14,00 15,00 16,00 18,00 19,00 20,00 22,00 24,00 25,00 28,00 30,00 32,00 35,00 36,00  
40,00 45,00 50,00 55,00 60,00 65,00 70,00 75,00 80,00 90,00 100,00

In the case of taking the entire plate, any thickness can be produced in the range from 4,00 to 150,00 mm.

**Thickness tolerance [mm]**

+/- 0,100 on request +/- 0,05 mm for format 1590 x 3040 mm

**Flatness [mm/m]**

Thickness 4,00 – 5,99 mm	1,00
Thickness 6,00 –14,99 mm	0,40
Thickness 15,00–150,00 mm	0,15

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

1590x3040	2180x4040	and other
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(\*) 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