

7021 alloy plates; cast material, hardened (T79 state) and sawn on all sides with a band saw. It has excellent mechanical characteristics (much higher than the 5083 cast alloy). It is characterized by good machinability and excellent shape stability.







Chemical composition EN AW 7021

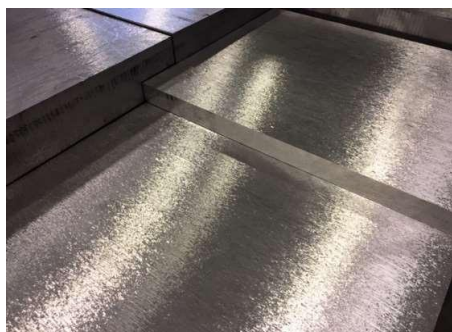
Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Zr	Pb	Bi	Others	Al
max 0,25	max 0,40	max 0,25	max 0,10	1,20 - 1,80	max 0,05	-	5,00 - 6,00	max 0,10	-	-	-	-	-

Mechanical characteristics

Cast 485-2	Tensile strenght Rm min (MPa)	Yield strenght Rp0,2 min (MPa)	Lengthening A % min	Hardness HB min
	380 – 420	320 – 380	2 – 5	120

Properties

Machinability	Anodization		Corrosion resistance		Plastic deformability		Weldability
	Decor.	Hard with thick	Atmospheric	Saltwater	Cold	Hot	
					-	-	



Map key



Excellent/good



Sufficient



Bad

Physical characteristics

Density	Kg/dm3	2,8
Modulus of elasticity Mpa	MPa	70.000
Coefficient of thermal expansion	x10 -6/°C	22 – 24
Electrical conductivity at C20°	m/Ω x mm2	21 – 24
Thermal conductivity at C20°	W/ mk	125 - 155