

The EN-AW 2011 aluminium alloy is characterized by excellent machinability and is therefore the most suitable for machining on automatic lathes and high-speed machining centers.
Poor corrosion resistance. Contains lead.

Complies with EU: 2000/53/EC (ELV) - 2011/65/EU (RoHS II)

Identification color in EU: **Red**









Chemical composition EN AW 573 - 3

Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Zr	Pb	Bi	Others	Al
max 0,40	max 0,70	5,00 - 6,00	-	-	-	-	max 0,30	-	-	0,20 - 0,60	0,20 - 0,60	-	residual

Mechanical characteristics

Extruded EN 755-2	Tensile strenght Rm min (MPa)	Yield strenght Rp0,2 min (MPa)	Lengthening A % min	Hardness HB min
T6 state	310	230	8	90
Drawn EN 754-2	Tensile strenght Rm min (MPa)	Yield strenght Rp0,2 min (MPa)	Lengthening A % min	Hardness HB min
T3 state	320	270	10	90
T8 state	370	270	8	115

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/dm ³	115
Modulus of elasticity Mpa	MPa	70.000
Coefficient of thermal expansion	x10 -6/°C	22,9
Electrical conductivity at C20°	m/Ω x mm ²	25 - 27
Thermal conductivity at C20°	W/ mk	151