

EN-AW 6026 LF

AlMgSiBi

The aluminium alloy EN-AW 6026 LF is characterised by good machinability and is therefore suitable for machining on automatic lathes and high-speed machining centers.

It has good mechanical characteristics, good resistance corrosion resistance and is suitable for anodizing.

Also great for molding. Lead-free

Complies with EU: 2000/53/EC (ELV) - 2018/740/EU (RoHS II)

Identification color in EU: White









Chemical composition EN 573 - 3

Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Zr	Pb	Bi	Others	Al
0,60 - 1,40	max 0,70	0,20 - 0,50	0,20 - 1,00	0,60 - 1,20	max 0,30	-	max 0,30	max 0,20	-	max 0,05	0,50 - 1,50	max 0,15	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	370	300	8	95
Drawn EN 754-2	Tensile strenght Rm min (MPa)	Yield strenght Rp0,2 min (MPa)	Lengthening A % min	Hardness HB min
T3 state	345	315	4	95

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	2,72
Modulus of elasticity Mpa	MPa	69.000
Coefficient of thermal expansion	x10 -6/°C	26,4
Electrical conductivity at C20°	m/Ω x mm ²	24 - 28
Thermal conductivity at C20°	W/ mk	172