

Material data sheet

AA-2033 LF

Compliance with the requirements of the EU directives RoHS 2018/740/EU and ELV 2000/53/EU

1) Chemical composition

%	Si	Fe	Cu	Mn	Mg	Ni	Cr	Ti	Bi	Zn	Others	Al
min.	0.10	-	2.20	0.40	0.20	-	-	-	0.05	-	0.5 – 0.15	Remainder
max.	1.20	0.70	2.70	1.00	0.60	0.15	0.15	0.10	0.80	0.50		

2) Mechanical properties

Temper	Diam. mm		R _m MPa	R _{p0,2} MPa	A%	HBW
	D ^a					Typical value
T3	≤30		370	240	7	100
T3	30 < D ≤ 80		340	220	7	100
T351	≤80		370	240	5	100
T8	≤80		370	270	8	100
T6	≤80		370	250	8	100
T6	80 < D ≤ 250		340	220	8	100

D^a = Diameter for round rod / S^b = Width across flat for square and hexagonal rod, Thickness for rectangular rod / c Properties may be obtained by press quenching.

Classification: 1 = excellent, 2 = good, 3 = acceptable, 4 = not recommended

Properties		
	T3 / T6	T8
Machinability	1	1
Protective anodizing	3	3
Decorative anodizing	3	3
Hard anodizing	3	3
Resistance to atmospheric corrosion	3	3
Resistance to marine corrosion	4	4
MIG-TIG weldability	4	4
At resistance weldability	2	2
Brazing weldability	4	4
Plastic formability when cold	3	3
Plastic formability when hot	3	3

Errors and changes excepted/This document is not subject to revision.