Chemical composition

%	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Al
Minimum	0,40		0,15		0,80	0,04			0,40	0,40	
Maximum	0,80	0,70	0,40	0,15	1,20	0,14	0,25	0,15	0,70	0,70	rest

International Equivalences

Europe	USA	Spain	France	Germany	G.B.	Italy	Sweden	Switzerland	Japan
E.N. 573	A.A.	U.N.E.	AFNOR	D.I.N.	B.S.	U.N.I.	S.I.S.	V.S.M.	J.I.S.
EN AW 6262	6262								

Mechanical properties — Standard: EN 755-2 — Alloy: EN AW-6262 [Al Mg1SiPb]

Extruded bar

Treatment state	Measurements mm		R_m MPa		$R_{p0,2}$ MPa		A %	$A_{50\ mm}$ %
	D[1]	S[2]	min.	max.	min.	max.	min	min.
T6[5]	≤ 200	≤ 200	260	–	240	–	10	8

Extruded tube

Treatment state	Measurements mm e[3]	R_m MPa		$R_{p0,2}$ MPa		A %	$A_{50\ mm}$ %
		min.	max.	min. max.		min	min.
T6[5]	≤ 25	260	–	240	–	10	8

Extruded profile

Treatment state	Measurements mm e[3]	R_m MPa		$R_{p0,2}$ MPa		A %	$A_{50\ mm}$ %
		min.	max.	min.	max.	min	min.
T6[5]	≤ 25	260	–	240	–	10	8

1) D = Diameter of circular section bars.
2) S = Distance between faces for square-section and hexagonal bars, thickness for rectangular section bars.
3) e = Wall thickness.
5) The characteristics can be obtained by means of cooling in a press

Physical properties

Modulus of elasticity N/mm²	Specific weight g/cm³	Melting temperature ºC	Linear expansion coefficient 1/10⁶K	Thermal conductivity W/mK	Electrical resistivity at 20ºC - μΩ cm	Electrical conductivity% IACS	Dissolution potential V
70.000	2,75	580-650	23,5	167 (T6)	4,3 (T6)	T6-29,8	-0,79

Technological suitabilities

Welding		Natural behaviour		Anodized		Mechanization	State T5	State T9
Under flame	B	In a rural environment	B	For protection	MB	Chip fragmentation	MB	MB
At the arc under argon gas	R	In an industrial environment	B	Decorative	B	Surface gloss	B	B
Owing to electrical resistance	B	In a marine environment	R	Hard anodized	MB			
Brazed	R	In sea water	R					

Thermal treatments	Products	Observations and applications
Forging temperature interval: 340º-480ºC. Total annealing: 420ºC with long-term cooling up to 250ºC. Annealing against acridity: 340ºC	Bars, extruded profiles, tubes.	This alloy is typically used for manufacturing parts which require easy machining and are highly suitable for anodization.