



Conforming to RoHS II (2011/65/EU) and ELV (2000/53/EC)

Alloy EN AW 6064A is developed specifically for electronics industry and renowned for good machining characteristics and excellent anodizing response. EN AW 6064A is a direct replacement for 6262, where lead content less than 0.4 % and retains all the technological properties of the original alloy 6262. Alloy EN AW 6064A is used for electronics and automotive industry. AA 6064 = EN AW 6262R (old designation).



Chemical Composition EN AW 6064A

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Each	Total	Other	Additional
EN AW 6064A EN 573-3	0.40 0.80	max. 0.70	0.15 0.40	max. 0.15	0.80 1.20	0.04 0.14	max. 0.25	max. 0.15	0.20 0.40	max. 0.05	max. 0.15	Bi=0.40- 0.80	

Mechanical properties EN 754-2

Cold Drawn EN 754-2

Temper	Dimension		Rm min.		Rp _{0.2} min.		A	A (2")	HB min.
	mm	inch (")	MPa	ksi	MPa	ksi	% min.		
T8	2.5 to 76.2	0.098 to 3	345	50	315	46	4	5	80
T9	2.5 to 76.2	0.098 to 3	360	52	330	48	4	5	90
T6	2.5 to 76.2	0.098 to 3	310	45	260	38	8	8	95

Extruded EN 755-2

Temper	Dimension		Rm min.		Rp _{0.2} min.		A	A (2")	HB min.
	mm	inch (")	MPa	ksi	MPa	ksi	% min.		
T6	20 to 140	0.788 to 7.087	310	45	260	38	8	8	95
T6, T6510, T6511	140 to 180	5.512 to 7.086	260	38	240	35	8	8	90

Comparative Characteristics EN AW 6064A

Temper	Corrosion resistance		Cold workability	Anodizing Response	Brazeability	Weldability	
	General	Stress				Gas	Arc
T6, T8, T9	●●●●	●●●●●	●●●●	●●●●●	●●●●	●●●●	●●●●
T6	●●●●	●●●●●	●●●●	●●●●●	●●●●	●●●●	●●●●

Rating: ●●●●● - Excellent | ●●●● - Good | ●●● - Fair | ● - Poor



Physical Properties EN AW 6064A

Density (g/cm ³)	2.73
Modulus of elasticity (MPa)	69100
Thermal conductivity (W/m K)	172
Coefficient of thermal expansion (25-100°) 10 ⁻⁶ /K	23.4
Electrical conductivity at 20°C (MS/m)	26 (45% IASC)