



Conforming to ELV(2000/53/EC) and RoHS III (2018/740/EU)

Alloy AA 6262 A/EN AW 6262 A is developed specifically for electronics and automotive industry for machining applications and it is renowned for good machining characteristics and excellent anodizing response. Used for automotive brake components, hydraulic valve blocks and many other applications. AA 6262 A/EN AW 6262 A alloy is a direct replacement for 6262 – classic and retains all the technological properties of the original alloy 6262.



Chemical Composition AA 6262 A/EN AW 6262 A conforming to ELV and RoHS

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Each	Total	Other
AA 6262 A/ EN AW 6262 A 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. 0.10	max. 0.05	max. 0.05	max. 0.15	Bi=0.40-0.90 Sn=0.40-1.00

Mechanical Properties AA 6262 A/EN AW 6262 A conforming to ELV and RoHS

Cold Drawn

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

Extruded

Temper	Dimension		Rm min.		Rp _{0.2} min.		A	A (2")	HB min.
	mm	inch (")	MPa	ksi	MPa	ksi	% min.		
T6, T6510, T6511	20 to 180	0.788 to 7.087	260	38	240	35	10	10	80

Comparative Characteristics AA 6262 A/EN AW 6262 A conforming to ELV and RoHS

Temper	Corrosion resistance		Cold workability	Anodizing Response	Brazeability	Weldability	
	General	Stress				Gas	Arc
T6, T8, T9	●●●	●●●●	●●●	●●●●	●●●	●●●	●●●
T6, T6510, T6511	●●●	●●●●	●●●	●●●●	●●●	●●●	●●●

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



Physical Properties AA 6262 A/EN AW 6262 A conforming to ELV and RoHS

Density (g/cm ³)	2.74
Modulus of elasticity (MPa)	69500
Thermal conductivity (W/m K)	215
Coefficient of thermal expansion (25-100°) 10 ⁻⁶ /K	22.4-23.2
Electrical conductivity at 20°C (MS/m)	20-25 (34.5-43% IACS)