ALUMINIUM ALLOY AA6262A/EN AW 6262A (AC62) CONFORMING TO ELV(2000/53/EC) AND RoHs II (2011/65/EU)

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Alloy AA6262A/EN AW 6262A 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. AA6262A/EN AW 6262A alloy is a direct replacement for 6262 – classic and retains all the technological properties of the original alloy 6262.

Chemical Composition AA6262A/EN AW 6262A conforming to ELV and RoHs:

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Each	Total	Other
AA6262A/ EN AW 6262A	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 AA6262A/EN AW 6262A 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	5 to 76.2	0.197 to 3	345	50	315	46	4	5	90
T8	5 to 76.2	0.197 to 3	345	50	315	46	4	5	90
T9	5 to 76.2	0.197 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 AA6262A/EN AW 6262A conforming to ELV and RoHs:

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

Rating: A=Excellent, B=Good, C=Fair, D=Poor

Physical Properties AA6262A/EN AW 6262A conforming to ELV and RoHs:

Density (g/cm^3)	2,71
Modulus of elasticity (MPa)	68520
Thermal conductivity (W/m K)	172
Coefficient of thermal expansion (20-100°) 10^{-6} /K	23,4
Electrical resistivity (MS/m)	26 (45% IACS)

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