



Special alloy natural properties

Temper	Elastic			Physical								
	Modulus of elasticity	Modulus of rigidity	Poisson's ratio	Solidus temperature	Liquidus temperature	Specific heat capacity	Coefficient of thermal expansion	Density Resistivity	Electrical impedance	Thermal conductivity	Electrical conductivity	
	E Mpa	G Mpa	ν	T_{sol} °C	T_{liq} °C	C_p J kg ⁻¹ K ⁻¹	α μm m ⁻¹ K ⁻¹	ρ kg m ⁻³	ρ_{el} nΩ m	λ W m ⁻¹ K ⁻¹	EC %IACS	
EN AW-6060	ISO Al MgSi											
	O	69500	26100	0.33	610	655	898	23.4	2700			
	T1	69500	26100	0.33	610	655	898	23.4	2700	35	195	49.5
	T4	69500	26100	0.33	610	655	898	23.4	2700	36	187	48
	T5	69500	26100	0.33	610	655	898	23.4	2700	32	209	54
	T6	69500	26100	0.33	610	655	898	23.4	2700	32	209	54
EN AW-6063	ISO Al Mg0,7Si											
	O	69500	26100	0.33	615	655	898	23.5	2700	30	218	57.5
	T1	69500	26100	0.33	615	655	898	23.5	2700	34	193	50.5
	T4	69500	26100	0.33	615	655	898	23.5	2700	35	197	49.5
	T5	69500	26100	0.33	615	655	898	23.5	2700	31	209	55.5
	T6	69500	26100	0.33	615	655	898	23.5	2700	33	201	52
	T8	69500	26100	0.33	615	655	898	23.5	2700	33	201	52
EN AW-6005A	ISO Al SiMg(A)											
	T1	69500	26200	0.33	605	655	892	23.3	2710			
	T4	69500	26200	0.33	605	655	892	23.3	2710			
	T5	69500	26200	0.33	605	655	892	23.3	2710			
	T6	69500	26200	0.33	605	655	892	23.3	2710	35	193	49.5
EN AW-6082	ISO Al Si1MgMn											
	O	70000	26400	0.33	575	650	894	23.1	2710	31	216	55.5
	T1	70000	26400	0.33	575	650	894	23.1	2710			
	T4	70000	26400	0.33	575	650	894	23.1	2710	41	167	42
	T5	70000	26400	0.33	575	650	894	23.1	2710			
	T6	70000	26400	0.33	575	650	894	23.1	2710	39	172	44