

ALLOY SPECIFICATIONS*

ALLOY	CHEMICAL COMPOSITION (mass %)										TYPICAL APPLICATION / USAGE
	Fe	Si	Cu	Mn	Mg	Zn	Ti	Cr			
1350	0.40	0.10	0.05	0.01	0.03	0.05	-	0.01			Electrical conductors, busbars, transformer coils.
6005	0.35	0.60 - 0.90	0.10	0.10	0.40 - 0.60	0.10	0.10	0.10			Ladders. Design applications requiring characteristics between 6063 and 6082.
6061	0.70	0.40 - 0.80	0.15 - 0.40	0.15	0.80 - 1.20	0.25	0.15	0.04 - 0.35			Heavy duty structural sections, road, rail, marine, bridges, pylons, rivets, hydraulic components.
6063	0.35	0.20 - 0.60	0.10	0.10	0.45 - 0.90	0.10	0.10	0.10			Structural, transport, architectural, agricultural, general engineering, tubing, intricate profiles.
6082	0.50	0.70 - 1.30	0.10	0.40 - 1.0	0.60 - 1.20	0.20	0.10	0.25			Stressed and heavy duty structural applications, machinery, towers, roof trusses, cranes, bridle plates.
6101	0.50	0.30 - 0.70	0.10	0.03	0.35 - 0.80	0.10	-	0.03			Electrical conductors, busbars, transformer coils.

NB: 1350 is a non-heat treatable alloy and is always supplied in the 'F' condition.
 * As per AFSA Introduction to Aluminium 3rd Edition.

